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July 27, 2012

Ms. Kathy Halbur  
On-Scene Coordinator  
Emergency Response Branch  
U.S. Environmental Protection Agency, Region V  
c/o WDNR  
2984 Shawano Avenue  
Green Bay, WI 54313-6727

**Subject: Addendum to February 29, 2012, Removal Site Assessment Summary Report  
Milwaukee Die Casting Site  
Milwaukee, Milwaukee County, Wisconsin  
Technical Direction Document No.: S05-0001-1103-003  
Document Control No.: 1392-2A-AXCS**

Dear Ms. Halbur:

This letter is an addendum to the previously submitted February 29, 2012, Removal Site Assessment Summary Report. The United States Environmental Protection Agency (U.S. EPA) tasked the Superfund Technical Assessment and Response Team (START) contractor, Weston Solutions, Inc. (WESTON®), to coordinate and analyze samples from a storm sewer sampling event at the Milwaukee Die Casting (MDC) facility on 4132 North Holton Street, Milwaukee, Milwaukee County, Wisconsin (the Site). Specifically, under Technical Direction Document No. S05-0001-1103-003, U.S. EPA requested WESTON START to perform the following activities:

- Coordinate sample bottle and laboratory procurement.
- Collect photographic documentation and provide written description of Site conditions and activities.
- Coordinate sample pickup.
- Deliver samples to the laboratory.
- Review and compare analytical results with previous results and discuss the outcome with the U.S. EPA On-Scene Coordinator (OSC).
- Manage Site files and information.
- Prepare a Summary Letter Report.



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This Addendum discusses the Site description and Site background, describes May sewer sampling activities, and provides a summary of the results. In addition, this Addendum discusses revised analytical data previously summarized in the February 29, 2012, report. U.S. EPA requested WESTON START to perform a review of previous analytical data after receipt of the May 2012 results. During comparison of analytical results of a sample collected on May 29, 2012 with the previously collected sample from December 2011, a dilution error was suspected in the December 2011 analytical data, which required reissuance and revalidation of analytical data by the laboratory. A summary of these issues is also included in this report.

### **SITE DESCRIPTION**

The Site is located at 4132 North Holton Street, Milwaukee, Milwaukee County, Wisconsin (**Figure 1**), located northeast of the intersection of Holton Street and Capitol Drive. The Site is an approximately 3.7-acre rectangular property containing an industrial building of approximately 70,000 square feet. The building is constructed of cinderblock, with plywood-covered windows and doors that have been locked or welded shut. The Site is surrounded by a 7-foot-tall, chain-link fence with one gate on the western Site boundary. Signs of trespass are evident, as exhibited by constantly changing spray-painted graffiti artwork on the building exterior and evidence of entry inside the building. The Site is accessible by crawling under the fence.

### **SITE BACKGROUND**

The following information was obtained from the U.S. EPA during planning for a Removal Site Assessment completed by WESTON START in May, June, and December 2011. This information was also summarized in the Removal Site Assessment Summary Report dated February 29, 2012.

The Site was used for aluminum and zinc die-casting. During die-casting activities, phosphate ester oil (PEO) containing polychlorinated biphenyls (PCBs), chlorinated solvents (including trichloroethylene [TCE] and tetrachloroethylene [PCE]), and cyanide were used at the Site. PEO hydraulic fluid contained PCBs to reduce the flammability of the oil. New and used PEO were stored north of the Site in an underground storage tank (UST) and in an aboveground storage tank (AST), respectively. A UST containing TCE was located near the west end of the southern wall of the Site building along with two fuel oil USTs.

A tunnel system is located under the die-casting-room floor. This tunnel system provided access and utility lines to the die-casting machines. The tunnels are approximately 3 to 6 feet wide and 10 feet deep. Fluids collected in the tunnel system were discharged to an outdoor sump located near the northeastern wall of the Site building, which was connected to the sanitary sewer. Another floor drain in the northwestern section of the die-casting area also discharged to the sanitary sewer. Historical information for the property indicates that prior to approval to



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discharge industrial wastewaters into the sanitary sewer in 1988, waters were discharged into the storm sewer. The storm sewer discharge was reportedly sealed in October 1988.

Previous environmental studies at the Site required by the Wisconsin Department of Natural Resources (WDNR) have identified PCBs and chlorinated solvents (PCE and TCE) in the Site building and in on-site soil and groundwater. In addition, the Milwaukee Metropolitan Sewerage District (MMSD) has identified the MDC Site as the potential source of significant PCB contamination in Basin H of the sanitary sewer system. Sanitary sewage services provided by the MMSD have been bulk-headed, thereby eliminating additional releases to the sanitary sewer system, but a stretch of PCB-contaminated sediment remains in the sanitary sewer in the area immediately downstream of the Site's sewage discharge point.

U.S. EPA and WESTON START performed the initial removal site assessment from May 31 through June 2, 2011. Samples were collected from soils, groundwater, ambient indoor air, subslab vapor air, dust (collected using both wipe samples and vacuum dust samples), sediment, stormwater, and unlabeled drums. Results indicated similar constituents of concern (COCs) when compared to previous sampling events and that historical remediation had not successfully reduced COC concentrations.

In December 2011, the WDNR contacted the U.S. EPA regarding oily material identified as accumulating behind a makeshift "weir" identified where a storm sewer lateral exiting the MDC property enters the storm sewer main. U.S. EPA and WESTON START analyzed the oily material collected by WDNR and identified PCBs, chlorinated solvents, total petroleum hydrocarbons (TPHs), polycyclic aromatic hydrocarbons (PAHs), and lead as migrating off-site through stormwater flow pathways. **Table 1** summarizes analytical results from the December 2011 sampling event. The summary of May 2012 sampling activities in this document also includes information on modifications to the February 29, 2012, Removal Site Assessment Summary Report.

Water and oily material accumulating behind the weir was removed using a vacuum unit by Veolia Environmental Services (VES) under subcontract and direction of WESTON START on February 2, 2012. Recovered material was manifested and removed by VES for disposal by incineration at the VES Technical Solutions facility in Port Arthur, Texas (completed on February 16, 2012). Documentation and additional information on removal of this material was included in the February 29, 2012, Removal Site Assessment Summary Report.

Immediately after water and oily material behind the weir were removed, a video camera survey of the storm sewer lateral exiting the MDC facility confirmed more oily material upstream in the lateral. This oily material appeared to be stagnant. One other storm sewer lateral exiting the MDC property was investigated using the video camera survey, with no significant accumulation of oily material identified.



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U.S. EPA, Region V

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## **MAY 2012 SAMPLING ACTIVITIES**

On May 29, 2012, the U.S. EPA OSC, Steven Mueller of the WDNR, and WESTON START met at the Site to observe whether additional oily material had accumulated immediately upstream of the weir from the same location previously sampled in December 2011. If present, a sample was to be collected from oil and water.

The manhole cover was opened, revealing the presence of oily material immediately upstream of the weir. A fallen tree branch used as a makeshift measuring stick indicated the oily material to be 2 to 3 inches thick and the water to be approximately 6 inches deep. Two samples were collected, upstream of the plywood "weir" (MDC-SWS01 and MDC SWS02). **Figure 2** depicts the sampling locations.

Sample MDC-SWS01 was collected from the oily material noted at the bottom of the trapped material upstream of the weir. Photos included in **Attachment A** depict this material as having a gray surface. This sample was collected and sent for analysis of PCBs using analytical method SW-846 Method 8082. Detected PCB analytical results of the oily material are summarized compared to the December 2011 sample result in **Table 1**.

Sample MDC-SWS02 was collected from water overlying the oily material upstream of the weir. This media was collected after the oil sample and was submitted for the following laboratory analyses:

- Volatile organic compounds (VOCs) by SW-846 Method 8260B.
- PAHs by SW-846 Method 8270C Selected Ion Monitoring (SIM).
- PCBs by SW-846 Method 8082.
- TPHs as Gasoline Range Organics (GRO) by SW-846 Method 8260B, Diesel Range Organics (DRO) and Extended Range Organics (ERO) by SW-846 Method 8015M.
- Total Lead by SW-846 Method 6020.

Results of the detected constituents in the water sample are summarized in **Table 2** compared to their respective Non-Public Water Supply Human Threshold Criteria or Human Cancer Criteria detailed in Tables 8 and 9, respectively, within the July 2010 version of Chapter NR 105, *Surface Water Quality Criteria and Secondary Values for Toxic Substances*. Comparison values were selected from the most conservative value available from the Non-Public Water Supply columns. The comparison value for PCBs was not selected from NR 105, but instead is the Toxic Substances Control Act (TSCA) Decontamination Standard permissible for release into Navigable Waters (0.003 milligrams per liter [mg/L]).



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**Attachment A** provides photographic documentation of Site conditions. **Attachment B** provides the May 2012 sample analytical results, the May 2012 validation report, the revised December 2011 analytical results, and the revised December 2011 validation report.

### **Changes to the February 29, 2012, Removal Site Assessment Summary Report**

During evaluation of the May 2012 analytical results, the laboratory was contacted regarding significant differences between the December 2011 and May 2012 reported data. The originally reported December 2011 analytical result was 41,000 mg/kg of total PCBs (Aroclor 1248) in oily material, which was an order of magnitude lower than those reported during May 2012, suggesting a potential dilution error. Upon review of the December 2011 analytical results, the laboratory identified a likely dilution error and reinterpreted the original data. Both the December 2011 and May 2012 oily material samples were reanalyzed, and results confirmed that the original reinterpreted data was correct. Only the original reinterpreted data is included in **Table 1**. The reanalyzed results were not reported to WESTON, so no qualification was necessary regarding holding times.

### **Summary of May 2012 Results**

During reevaluation of the May 2012 analytical results described above, the laboratory also identified that an incorrect PCB method (ASTM D4059 – typically used for transformer oils) was used to interpret the May 2012 oil analytical results. The laboratory reinterpreted the May 2012 analytical results using the correct method (SW-846 Method 8082). Results of reanalysis confirmed the reinterpretation. The reanalyzed results were not reported to WESTON, so no qualification was necessary regarding holding times.

PCBs in oil results from May 2012 summarized in **Table 1** were detected at a lower concentration (220,000 mg/kg) than that measured in analytical results collected during December 2011 (410,000 mg/kg).

The results summarized in **Table 2** show that lead, TPHs, PCBs, chlorinated solvents, and PAHs were detected in the water sample. PCBs (Aroclor 1248) and vinyl chloride exceeded the comparison criteria.

### **CONCLUSIONS**

Oil and water continue to accumulate upstream of the makeshift “weir” constructed at the end of the storm sewer lateral. This continues to occur despite the removal of similar material completed during February 2012 and supports the conclusion that the MDC facility is the potential source of contaminants to the storm sewer and may be impacting the Milwaukee River.



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If you have any questions or comments regarding this report, please contact Marita Stollenwerk at (414) 347-1697 extension 1309 or Omprakash Patel at (847) 918-4051.

Sincerely,  
WESTON SOLUTIONS, INC.

A handwritten signature in blue ink that reads "Marita Stollenwerk". The signature is fluid and cursive, with the first and last names being clearly legible.

Marita Stollenwerk  
Site Manager

A handwritten signature in black ink that reads "Omprakash Patel". The signature is written in a cursive style, with the first and last names being clearly legible.

Omprakash Patel  
Project Manager

Attachments:

Tables

Figures

A – Photographic Documentation

B – Analytical Results and Validation Reports

cc: WESTON START DCN Files

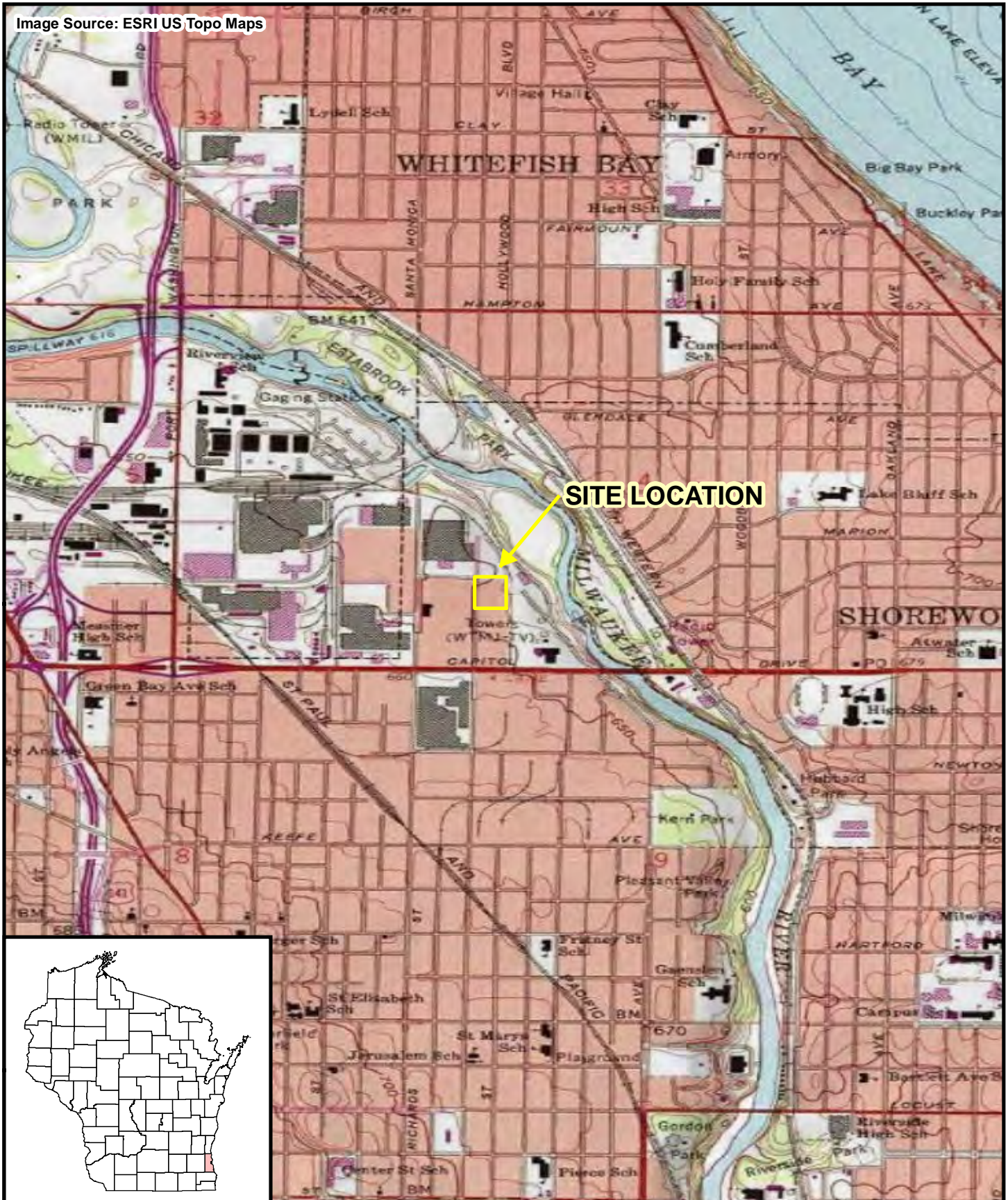
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## FIGURES

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Image Source: ESRI US Topo Maps



### Legend

Site Boundary

0 2,000 Feet



Prepared for:  
**U.S. EPA REGION V**

Contract No.: EP-S5-06-04  
TDD: S05-0001-1103-003  
DCN: 1392-2A-AXCS



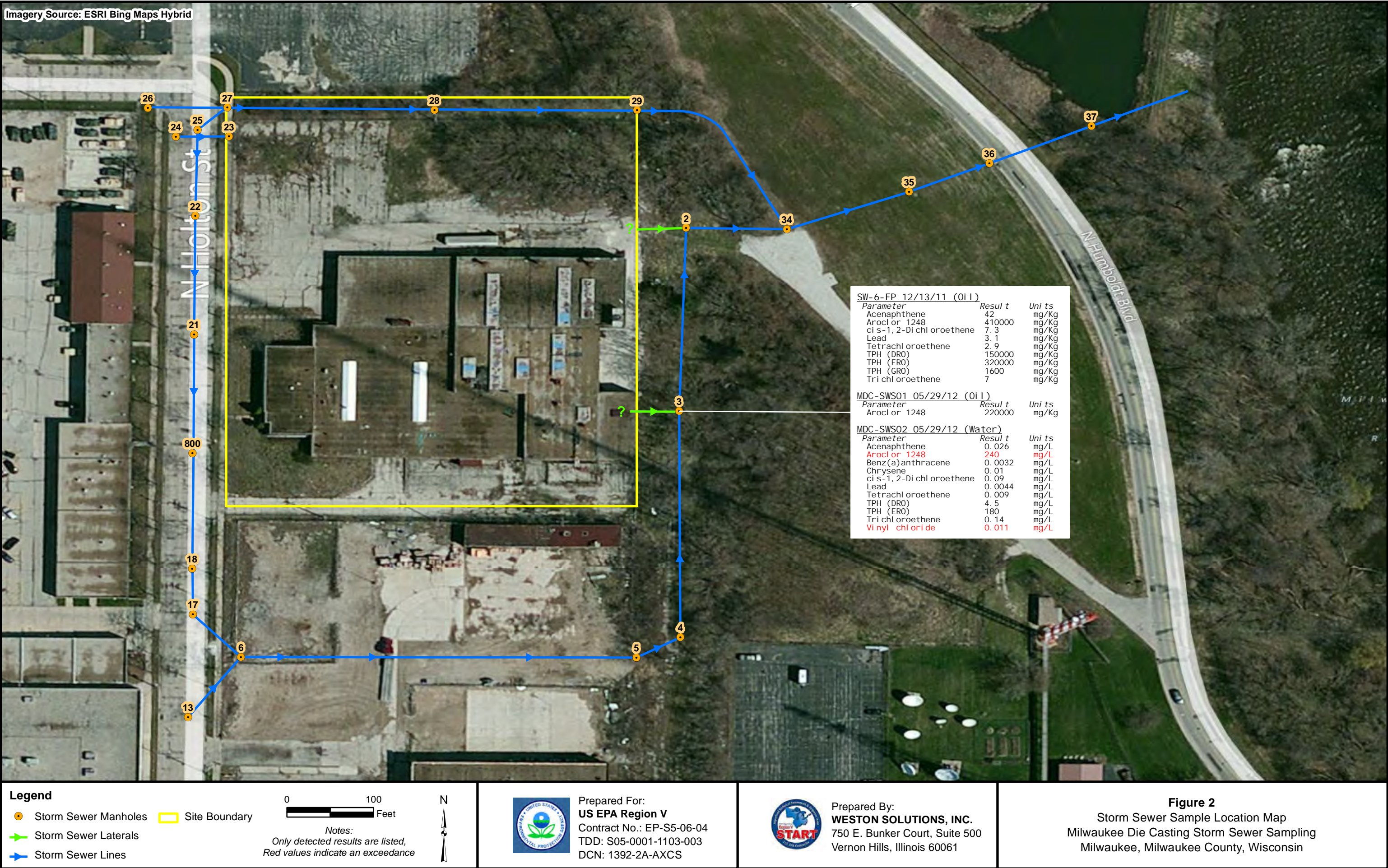
Prepared By:  
**WESTON SOLUTIONS, INC**

750 E. Bunker Court  
Suite 500  
Vernon Hills, Illinois 60061

### Figure 1

Site Location Map  
Milwaukee Die Casting  
Storm Sewer Sampling  
Milwaukee, Milwaukee County,  
Wisconsin







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## TABLES

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**Table 1**  
**Detected Storm Sewer Oily Material Analytical Results**  
**Milwaukee Die Casting**  
**Milwaukee, Milwaukee County, Wisconsin**

		Location ID	SWS MH3	SWS MH3
		Field Sample ID	SW-6-FP	MDC-SWS01
		Sample Date	12/13/2011	5/29/2012
Analytical Method	Chemical Name	Unit		
SW-846 6020	Lead	mg/kg	3.1	N/A
SW-846 8015B	TPH (DRO)	mg/kg	150000	N/A
SW-846 8015B	TPH (ERO)	mg/kg	320000	N/A
SW-846 8015B	TPH (GRO)	mg/kg	1600	N/A
SW-846 8082	Total PCBs (Aroclor 1248)	mg/kg	410000	220000
SW-846 8260B	cis-1,2-Dichloroethene	mg/kg	7.3	N/A
SW-846 8260B	Tetrachloroethene	mg/kg	2.9	N/A
SW-846 8260B	Trichloroethene	mg/kg	7	N/A
SW-846 8270C	Acenaphthene	mg/kg	42	N/A

Notes:

SWS MH3 - Storm Water Sewer Manhole #3

N/A - Not Analyzed

TPH - Total Petroleum Hydrocarbons

DRO - Diesel Range Organics

ERO - Extended Range Organics

GRO - Gasoline Range Organics

mg/kg - milligrams per kilogram

PCBs - Polychlorinated biphenyls

**Table 2**  
**Detected Storm Sewer Water Analytical Results**  
**Milwaukee Die Casting**  
**Milwaukee, Milwaukee County, Wisconsin**

				Location ID	SWS MH3
				Field Sample ID	MDC-SWS02
				Sample Date	5/29/2012
Analytical Method	Chemical Name	TSCA (mg/L)	Human Threshold Criteria (mg/L)	Unit	
SW-846 6020	Lead	NL	0.14	mg/L	0.0044
SW-846 8015B	TPH (DRO)	NL	NL	mg/L	4.5
SW-846 8015B	TPH (ERO)	NL	NL	mg/L	180
SW-846 8082	Total PCBs (Aroclor 1248)	0.003	NL	mg/L	<b>240</b>
SW-846 8260B	cis-1,2-Dichloroethene	NL	9	mg/L	0.09
SW-846 8260B	Tetrachloroethene	NL	0.015	mg/L	0.009
SW-846 8260B	Trichloroethene	NL	0.194	mg/L	0.14
SW-846 8260B	Vinyl chloride	NL	0.0068	mg/L	<b>0.011</b>
SW-846 8270-SIM	Acenaphthene	NL	NL	mg/L	0.026
SW-846 8270-SIM	Benz(a)anthracene	NL	NL	mg/L	0.0032
SW-846 8270-SIM	Chrysene	NL	NL	mg/L	0.01

Notes:

Human Threshold Criteria from most conservative value from Non-Drinking Water columns on Tables 8 and 9 Wisconsin Chapter NR 105.

SWS MH3 - Storm Water Sewer Manhole #3

TSCA - Toxic Substances Control Act

NL - Not Listed

TPH - Total Petroleum Hydrocarbons

DRO - Diesel Range Organics

ERO - Extended Range Organics

mg/L - milligrams per liter

PCBs - Polychlorinated Biphenyls



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**ATTACHMENT A**  
**PHOTOGRAPHIC DOCUMENTATION**

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## PHOTOGRAPH NO. 1

**Date:** 5/29/12

**Direction:** East

**Description:**

Photo of Storm  
Sewer Manhole #3  
cover prior to  
commencement of  
sampling activities.



## PHOTOGRAPH NO. 2

**Date:** 5/29/12

**Direction:** Down

**Description:**

Top of photo is north.  
View of storm sewer  
lateral (on left)  
entering the main and  
the weir trapping oil  
and water. Photo  
taken prior to  
sampling. The grey  
color is the surface of  
the submerged oil  
material. Water can  
be seen overflowing  
the weir near bottom  
of photo.



## PHOTOGRAPH NO. 3

**Date:** 5/29/12

**Direction:** Down

**Description:**

Top of photo is north.  
View of samplers  
testing oil thickness  
with a fallen tree  
branch. Note small  
knob on stick just  
above oil surface.



## PHOTOGRAPH NO. 4

**Date:** 5/29/12

**Direction:** Down

**Description:**

View of branch with  
sheen evident from  
measuring attempts.  
Grass tied to stick  
indicates  
approximate  
thickness of oil (just  
below knob on stick).  
Thickness is  
estimated at 2 to 3  
inches.





**PHOTOGRAPH NO. 5**

**Date:** 5/29/12

**Direction:** Down

**Description:**

Top of photo is west.  
View of water and oil  
upstream of weir  
after completion of  
sampling activities.





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**ATTACHMENT B**  
**ANALYTICAL RESULTS AND VALIDATION REPORTS**

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**MILWAUKEE DIE CAST SITE  
MILWAUKEE, WISCONSIN  
DATA VALIDATION REPORT, REVISION 1**

**Date:** July 23, 2012

**Laboratory:** STAT Analysis Corporation (STAT), Chicago, Illinois

**Laboratory Project #:** 12050761

**Data Validation Performed By:** Lisa Graczyk, Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START)

**Weston Analytical Work Order #/TDD #:** 20405.016.001.1473.00/S05-0005-1105-010

This data validation report has been prepared by WESTON START under the START III Region V contract. This report is a revision because the laboratory originally analyzed an oil sample for polychlorinated biphenyls (PCB) using an ASTM method used primarily for transformer oil instead of using SW-846 method 8082. This report documents the data validation for one oil and one water sample collected for the Milwaukee Die Cast Site that was analyzed for the following parameters and U.S. Environmental Protection Agency (U.S. EPA) methods:

- Volatile Organic Compounds (VOC) by SW-846 Method 8260B
- Polynuclear Aromatic Hydrocarbons (PAH) by SW-846 Method 8270C Selected Ion Monitoring (SIM)
- PCBs by SW-846 Method 8082
- Total Petroleum Hydrocarbons (TPH) as Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and Extended Range Organics (ERO) by SW-846 Methods 8260B and 8015M
- Total Lead by SW-846 Methods 6020

A level II data package was requested from STAT. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

## VOCs BY SW-846 METHOD 8260B

### 1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
MDC-SWS02	12050761-002	Water	5/29/2012	6/8/2012

### 2. Holding Times

The sample was analyzed within the required holding time limit of 14 days from sample collection.

### 3. Blanks

A method blank and trip blank were analyzed with the VOC analysis and were free of target compound contamination above the reporting limit. Chloroform and trichloroethene were detected below the reporting limit in the method blank. The sample results were either non-detect or much greater than the method blank concentrations and no qualifications were required.

### 4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control (QC) limits.

### 5. Laboratory Control Sample (LCS) Results

The LCS and LCS duplicate (LCSD) recoveries were within laboratory QC limits for percent recoveries and relative percent differences (RPD) except for as follows.

Chloromethane was detected high in the MS and MSD. The RPD for bromomethane was outside the QC limits. Because these two compounds were not detected in the samples, no qualifications were required.

### 6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

A site-specific MS and MSD were not analyzed with the samples. No qualifications were applied for this omission.

## 7. **Overall Assessment**

The VOC data are acceptable for use based on the information received.

### **PAHs BY SW-846 METHOD 8270C SIM**

#### 1. **Samples**

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
MDC-SWS02	12050761-002	Water	5/29/2012	5/31/2012	6/5/2012

#### 2. **Holding Times**

The sample was analyzed within the required holding time limit of 7 days from sample collection to extraction and 40 days from extraction to analysis.

#### 3. **Blanks**

A method blank was analyzed with the PAH analysis and was free of target compound contamination above the reporting limit.

#### 4. **Surrogate Results**

The surrogate recovery results were within the laboratory-established QC limits except for as follows. One surrogate was detected slightly above the QC limit and one was detected low. Because the sample was analyzed at a dilution and the other two surrogates were within QC limits, no qualifications were applied.

#### 5. **LCS Results**

The LCS and LCSD recoveries and RPDs were within laboratory QC limits.

#### 6. **MS and MSD Results**

A site-specific MS and MSD were not analyzed with the samples. No qualifications were applied for this omission.



## 7. **Overall Assessment**

The PAH data are acceptable for use based on the information received.

### **PCBs BY U.S. EPA SW-846 METHOD 8082**

#### 1. **Samples**

The following table summarizes the samples for which this data validation was conducted.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
MDC-SWS01	12050761-001	Oil	5/29/2012	5/30/2012	6/4/2012 – 6/6/2012
MDC-SWS02	12050761-002	Water	5/29/2012	5/31/2012	6/4/2012

#### 2. **Holding Times**

The samples were analyzed within the required holding time limit of 7 days from sample collection to extraction and 40 days from extraction to analysis.

#### 3. **Blanks**

Method blanks were analyzed with the PCB analysis. The method blanks were free of target compound contamination above the reporting limit.

#### 4. **Surrogates**

The surrogates in the oil were not recovered due to high sample dilutions of 1,000 to 10,000. No qualifications are required for this discrepancy.

#### 5. **LCS Results**

The LCS and LCSD recoveries and RPDs were within the laboratory-established QC limits.

#### 6. **MS and MSD Results**

A site-specific MS and MSD were not analyzed. No qualification required.

## 7. **Overall Assessment**

The PCB data are acceptable for use based on the information received.

Note that for sample MDC-SWS01, the oil sample, the Aroclor 1248 result was originally reported at a concentration of 410,000 milligram per kilogram (mg/kg) using method ASTM D4059, a method primarily used for transformer oil. STAT re-interpreted this result using the calibration curve used for SW-846 method 8082 and the result was revised to 220,000 mg/kg. This revised result is more accurate based on the sample matrix and should be used over the original result.

## **TPH AS GRO, DRO, AND ERO BY U.S. EPA SW-846 METHODS 8260B AND 8015M**

### 1. **Samples**

The following table summarizes the samples for which this data validation was conducted.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
MDC-SWS02	12050761-002	Water	5/29/2012	5/31/2012	6/1/2012 – 6/8/2012

### 2. **Holding Times**

The sample was analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis for DRO and ERO, and 14 days from sample collection to analysis for GRO.

### 3. **Blanks**

Method blanks were analyzed with the TPH analyses. There were detections of target compounds in the method blanks below the reporting limits. Because the sample concentrations were either non-detected or much greater than the method blank concentrations, no qualifications are required.

### 4. **LCS Results**

The LCS and LCSD recoveries and RPDs were within the laboratory-established QC limits.

5. **MS and MSD Results**

A site-specific MS and MSD were not analyzed. No qualification required.

6. **Overall Assessment**

The TPH data are acceptable for use based on the information received.

**TOTAL LEAD BY SW-846 METHOD 6020**

1. **Samples**

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
MDC-SWS02	12050761-002	Water	5/29/2012	6/4/2012

2. **Holding Times**

The sample was analyzed within the required holding time limit of 180 days from sample collection to analysis.

3. **Blank Results**

A method blank was analyzed with the metals analyses. Lead was detected below the reporting limit in the method blank. The lead result was much greater than the method blank concentration and no qualification was required.

4. **LCS Results**

The LCS recovery was within the laboratory-established QC limit.

5. **MS and MSD Results**

An MS and MSD were analyzed using sample MDC-SWS02 as the spiked sample. The percent recoveries and RPD were within QC limits.

6. **Overall Assessment**

The lead result is acceptable for use based on the information received.

Data Validation Report, Revision 1  
Milwaukee Die Cast Site  
STAT Analysis Corporation  
Laboratory Project #: 12050761

**ATTACHMENT**

**STAT ANALYSIS CORPORATION  
RESULTS SUMMARY**

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**CLIENT:** Weston Solutions, Inc.  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast  
**Lab Order:** 12050761

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**CASE NARRATIVE**

The VOC water Laboratory Control Sample/Laboratory Control Sample (LCS/LCSD) analyzed 06/07/2012A had recovery of the following compounds outside of control limits:

Bromomethane: (30% RPD, QC Limit <20%).

Chloromethane: (159%/148% (LCS/LCSD) recovery, QC limits 70-130%;).

PCB Surrogate was diluted out of analytical range.

PNA surrogates were out of control due to matrix interference.

Sample 12050761-001A (MDC-SWS01) was incorrectly reported for PCB analysis under ASTM D4059.

A corrected report with PCB analysis by SW846 8082 is attached.

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: July 19, 2012

Date Printed: July 19, 2012

Client: Weston Solutions, Inc.

Lab Order: 12050761

Project: 20405.016.001.1392.00, Milwaukee Die Cast

Lab ID: 12050761-001

Client Sample ID: MDC-SWS01

Collection Date: 5/29/2012 10:45:00 AM

Matrix: Oil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs in Oil</b>	<b>SW8082 (SW3580A)</b>				Prep Date: 5/30/2012	Analyst: GVC
Aroclor 1016	ND	930		mg/Kg	1000	6/4/2012
Aroclor 1221	ND	930		mg/Kg	1000	6/4/2012
Aroclor 1232	ND	930		mg/Kg	1000	6/4/2012
Aroclor 1242	ND	930		mg/Kg	1000	6/4/2012
Aroclor 1248	220000	9300		mg/Kg	10000	6/6/2012
Aroclor 1254	ND	930		mg/Kg	1000	6/4/2012
Aroclor 1260	ND	930		mg/Kg	1000	6/4/2012

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: July 19, 2012

Date Printed: July 19, 2012

Client: Weston Solutions, Inc.

Lab Order: 12050761

Project: 20405.016.001.1392.00, Milwaukee Die Cast

Lab ID: 12050761-002

Client Sample ID: MDC-SWS02

Collection Date: 5/29/2012 10:54:00 AM

Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082 (SW3510C)</b>				Prep Date: 5/31/2012	Analyst: GVC
Aroclor 1016	ND	0.5		mg/L	1000	6/4/2012
Aroclor 1221	ND	0.5		mg/L	1000	6/4/2012
Aroclor 1232	ND	0.5		mg/L	1000	6/4/2012
Aroclor 1242	ND	0.5		mg/L	1000	6/4/2012
Aroclor 1248	240	5		mg/L	10000	6/6/2012
Aroclor 1254	ND	0.5		mg/L	1000	6/4/2012
Aroclor 1260	ND	0.5		mg/L	1000	6/4/2012
<b>Total Petroleum Hydrocarbons in Water</b>						
	<b>SW8015M (SW3510C)</b>				Prep Date: 5/31/2012	Analyst: TMB
TPH (DRO)	4.5	0.1		mg/L	1	6/1/2012
TPH (ERO)	180	10	*	mg/L	100	6/1/2012
<b>Metals by ICP/MS</b>						
	<b>SW6020 (SW3005A)</b>				Prep Date: 6/4/2012	Analyst: JG
Lead	0.0044	0.002		mg/L	2	6/4/2012
<b>Polynuclear Aromatic Hydrocarbons</b>						
	<b>SW8270C-SIM (SW3510C)</b>				Prep Date: 5/31/2012	Analyst: DM
Acenaphthene	0.026	0.005		mg/L	5	6/5/2012
Acenaphthylene	ND	0.005		mg/L	5	6/5/2012
Anthracene	ND	0.005		mg/L	5	6/5/2012
Benz(a)anthracene	0.0032	0.0005		mg/L	5	6/5/2012
Benzo(a)pyrene	ND	0.0005		mg/L	5	6/5/2012
Benzo(b)fluoranthene	ND	0.0005		mg/L	5	6/5/2012
Benzo(g,h,i)perylene	ND	0.005		mg/L	5	6/5/2012
Benzo(k)fluoranthene	ND	0.0005		mg/L	5	6/5/2012
Chrysene	0.01	0.0005		mg/L	5	6/5/2012
Dibenz(a,h)anthracene	ND	0.0005		mg/L	5	6/5/2012
Fluoranthene	ND	0.005		mg/L	5	6/5/2012
Fluorene	ND	0.005		mg/L	5	6/5/2012
Indeno(1,2,3-cd)pyrene	ND	0.0005		mg/L	5	6/5/2012
Naphthalene	ND	0.005		mg/L	5	6/5/2012
Phenanthrene	ND	0.005		mg/L	5	6/5/2012
Pyrene	ND	0.005		mg/L	5	6/5/2012
<b>Total Petroleum Hydrocarbons (GRO) by GCMS</b>						
	<b>SW8260B</b>				Prep Date:	Analyst: ART
Gasoline Range Organics	ND	0.5	*	mg/L	1	6/8/2012
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW8260B (SW5030B)</b>				Prep Date:	Analyst: ART
Acetone	ND	0.02		mg/L	1	6/8/2012
Benzene	ND	0.005		mg/L	1	6/8/2012
Bromodichloromethane	ND	0.005		mg/L	1	6/8/2012
Bromoform	ND	0.005		mg/L	1	6/8/2012

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: July 19, 2012

Date Printed: July 19, 2012

Client: Weston Solutions, Inc.

Lab Order: 12050761

Project: 20405.016.001.1392.00, Milwaukee Die Cast

Lab ID: 12050761-002

Client Sample ID: MDC-SWS02

Collection Date: 5/29/2012 10:54:00 AM

Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW8260B (SW5030B)</b>			Prep Date:		Analyst: ART
Bromomethane	ND	0.01		mg/L	1	6/8/2012
2-Butanone	ND	0.02		mg/L	1	6/8/2012
Carbon disulfide	ND	0.01		mg/L	1	6/8/2012
Carbon tetrachloride	ND	0.005		mg/L	1	6/8/2012
Chlorobenzene	ND	0.005		mg/L	1	6/8/2012
Chloroethane	ND	0.01		mg/L	1	6/8/2012
Chloroform	ND	0.005		mg/L	1	6/8/2012
Chloromethane	ND	0.01		mg/L	1	6/8/2012
Dibromochloromethane	ND	0.005		mg/L	1	6/8/2012
1,1-Dichloroethane	ND	0.005		mg/L	1	6/8/2012
1,2-Dichloroethane	ND	0.005		mg/L	1	6/8/2012
1,1-Dichloroethene	ND	0.005		mg/L	1	6/8/2012
cis-1,2-Dichloroethene	0.09	0.005		mg/L	1	6/8/2012
trans-1,2-Dichloroethene	ND	0.005		mg/L	1	6/8/2012
1,2-Dichloropropane	ND	0.005		mg/L	1	6/8/2012
cis-1,3-Dichloropropene	ND	0.001		mg/L	1	6/8/2012
trans-1,3-Dichloropropene	ND	0.001		mg/L	1	6/8/2012
Ethylbenzene	ND	0.005		mg/L	1	6/8/2012
2-Hexanone	ND	0.02		mg/L	1	6/8/2012
4-Methyl-2-pentanone	ND	0.02		mg/L	1	6/8/2012
Methylene chloride	ND	0.005		mg/L	1	6/8/2012
Methyl tert-butyl ether	ND	0.005		mg/L	1	6/8/2012
Styrene	ND	0.005		mg/L	1	6/8/2012
1,1,2,2-Tetrachloroethane	ND	0.005		mg/L	1	6/8/2012
Tetrachloroethene	0.009	0.005		mg/L	1	6/8/2012
Toluene	ND	0.005		mg/L	1	6/8/2012
1,1,1-Trichloroethane	ND	0.005		mg/L	1	6/8/2012
1,1,2-Trichloroethane	ND	0.005		mg/L	1	6/8/2012
Trichloroethene	0.14	0.005		mg/L	1	6/8/2012
Vinyl chloride	0.011	0.002		mg/L	1	6/8/2012
Xylenes, Total	ND	0.015		mg/L	1	6/8/2012

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Date Reported: July 19, 2012

Date Printed: July 19, 2012

Client: Weston Solutions, Inc.

Lab Order: 12050761

Project: 20405.016.001.1392.00, Milwaukee Die Cast

Lab ID: 12050761-003

Client Sample ID: Trip Blank

Collection Date:

Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW8260B (SW5030B)</b>			Prep Date:		Analyst: ART
Acetone	ND	0.02		mg/L	1	6/8/2012
Benzene	ND	0.005		mg/L	1	6/8/2012
Bromodichloromethane	ND	0.005		mg/L	1	6/8/2012
Bromoform	ND	0.005		mg/L	1	6/8/2012
Bromomethane	ND	0.01		mg/L	1	6/8/2012
2-Butanone	ND	0.02		mg/L	1	6/8/2012
Carbon disulfide	ND	0.01		mg/L	1	6/8/2012
Carbon tetrachloride	ND	0.005		mg/L	1	6/8/2012
Chlorobenzene	ND	0.005		mg/L	1	6/8/2012
Chloroethane	ND	0.01		mg/L	1	6/8/2012
Chloroform	ND	0.005		mg/L	1	6/8/2012
Chloromethane	ND	0.01		mg/L	1	6/8/2012
Dibromochloromethane	ND	0.005		mg/L	1	6/8/2012
1,1-Dichloroethane	ND	0.005		mg/L	1	6/8/2012
1,2-Dichloroethane	ND	0.005		mg/L	1	6/8/2012
1,1-Dichloroethene	ND	0.005		mg/L	1	6/8/2012
cis-1,2-Dichloroethene	ND	0.005		mg/L	1	6/8/2012
trans-1,2-Dichloroethene	ND	0.005		mg/L	1	6/8/2012
1,2-Dichloropropane	ND	0.005		mg/L	1	6/8/2012
cis-1,3-Dichloropropene	ND	0.001		mg/L	1	6/8/2012
trans-1,3-Dichloropropene	ND	0.001		mg/L	1	6/8/2012
Ethylbenzene	ND	0.005		mg/L	1	6/8/2012
2-Hexanone	ND	0.02		mg/L	1	6/8/2012
4-Methyl-2-pentanone	ND	0.02		mg/L	1	6/8/2012
Methylene chloride	ND	0.005		mg/L	1	6/8/2012
Methyl tert-butyl ether	ND	0.005		mg/L	1	6/8/2012
Styrene	ND	0.005		mg/L	1	6/8/2012
1,1,2,2-Tetrachloroethane	ND	0.005		mg/L	1	6/8/2012
Tetrachloroethene	ND	0.005		mg/L	1	6/8/2012
Toluene	ND	0.005		mg/L	1	6/8/2012
1,1,1-Trichloroethane	ND	0.005		mg/L	1	6/8/2012
1,1,2-Trichloroethane	ND	0.005		mg/L	1	6/8/2012
Trichloroethene	ND	0.005		mg/L	1	6/8/2012
Vinyl chloride	ND	0.002		mg/L	1	6/8/2012
Xylenes, Total	ND	0.015		mg/L	1	6/8/2012

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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July 19, 2012

Weston Solutions, Inc.  
322 E. Michigan  
Milwaukee, WI 53202  
Telephone: (414) 347-1697  
Fax: (414) 347-1850

RE: 20405.016.001.1392.00, Milwaukee Die Cast

STAT Project No: 12050761

Dear Marita Stollenwerk:

STAT Analysis received 3 samples for the referenced project on 5/30/2012 9:45:00 AM. The analytical results are presented in the following report.

This report is revised to reflect changes made after the initial report was issued.

All analyses were performed in accordance with the requirements of 35 IAC part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

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**Client:** Weston Solutions, Inc.  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast  
**Lab Order:** 12050761

**Work Order Sample Summary**

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<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
12050761-001A	MDC-SWS01		5/29/2012 10:45:00 AM	5/30/2012
12050761-002A	MDC-SWS02		5/29/2012 10:54:00 AM	5/30/2012
12050761-002B	MDC-SWS02		5/29/2012 10:54:00 AM	5/30/2012
12050761-002C	MDC-SWS02		5/29/2012 10:54:00 AM	5/30/2012
12050761-003A	Trip Blank			5/30/2012

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**CLIENT:** Weston Solutions, Inc.  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast  
**Lab Order:** 12050761

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**CASE NARRATIVE**

The VOC water Laboratory Control Sample/Laboratory Control Sample (LCS/LCSD) analyzed 06/07/2012A had recovery of the following compounds outside of control limits:

Bromomethane: (30% RPD, QC Limit <20%).

Chloromethane: (159%/148% (LCS/LCSD) recovery, QC limits 70-130%;).

PCB Surrogate was diluted out of analytical range.

PNA surrogates were out of control due to matrix interference.

Sample 12050761-001A (MDC-SWS01) was incorrectly reported for PCB analysis under ASTM D4059.

A corrected report with PCB analysis by SW846 8082 is attached.



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Date Reported: July 19, 2012

Date Printed: July 19, 2012

Client: Weston Solutions, Inc.

Lab Order: 12050761

Project: 20405.016.001.1392.00, Milwaukee Die Cast

Lab ID: 12050761-001

Client Sample ID: MDC-SWS01

Collection Date: 5/29/2012 10:45:00 AM

Matrix: Oil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs in Oil</b>	<b>SW8082 (SW3580A)</b>				Prep Date: 5/30/2012	Analyst: GVC
Aroclor 1016	ND	930		mg/Kg	1000	6/4/2012
Aroclor 1221	ND	930		mg/Kg	1000	6/4/2012
Aroclor 1232	ND	930		mg/Kg	1000	6/4/2012
Aroclor 1242	ND	930		mg/Kg	1000	6/4/2012
Aroclor 1248	220000	9300		mg/Kg	10000	6/6/2012
Aroclor 1254	ND	930		mg/Kg	1000	6/4/2012
Aroclor 1260	ND	930		mg/Kg	1000	6/4/2012

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Date Reported: July 19, 2012

Date Printed: July 19, 2012

Client: Weston Solutions, Inc.

Lab Order: 12050761

Project: 20405.016.001.1392.00, Milwaukee Die Cast

Lab ID: 12050761-002

Client Sample ID: MDC-SWS02

Collection Date: 5/29/2012 10:54:00 AM

Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082 (SW3510C)</b>				Prep Date: 5/31/2012	Analyst: GVC
Aroclor 1016	ND	0.5		mg/L	1000	6/4/2012
Aroclor 1221	ND	0.5		mg/L	1000	6/4/2012
Aroclor 1232	ND	0.5		mg/L	1000	6/4/2012
Aroclor 1242	ND	0.5		mg/L	1000	6/4/2012
Aroclor 1248	240	5		mg/L	10000	6/6/2012
Aroclor 1254	ND	0.5		mg/L	1000	6/4/2012
Aroclor 1260	ND	0.5		mg/L	1000	6/4/2012
<b>Total Petroleum Hydrocarbons in Water</b>						
	<b>SW8015M (SW3510C)</b>				Prep Date: 5/31/2012	Analyst: TMB
TPH (DRO)	4.5	0.1		mg/L	1	6/1/2012
TPH (ERO)	180	10	*	mg/L	100	6/1/2012
<b>Metals by ICP/MS</b>						
	<b>SW6020 (SW3005A)</b>				Prep Date: 6/4/2012	Analyst: JG
Lead	0.0044	0.002		mg/L	2	6/4/2012
<b>Polynuclear Aromatic Hydrocarbons</b>						
	<b>SW8270C-SIM (SW3510C)</b>				Prep Date: 5/31/2012	Analyst: DM
Acenaphthene	0.026	0.005		mg/L	5	6/5/2012
Acenaphthylene	ND	0.005		mg/L	5	6/5/2012
Anthracene	ND	0.005		mg/L	5	6/5/2012
Benz(a)anthracene	0.0032	0.0005		mg/L	5	6/5/2012
Benzo(a)pyrene	ND	0.0005		mg/L	5	6/5/2012
Benzo(b)fluoranthene	ND	0.0005		mg/L	5	6/5/2012
Benzo(g,h,i)perylene	ND	0.005		mg/L	5	6/5/2012
Benzo(k)fluoranthene	ND	0.0005		mg/L	5	6/5/2012
Chrysene	0.01	0.0005		mg/L	5	6/5/2012
Dibenz(a,h)anthracene	ND	0.0005		mg/L	5	6/5/2012
Fluoranthene	ND	0.005		mg/L	5	6/5/2012
Fluorene	ND	0.005		mg/L	5	6/5/2012
Indeno(1,2,3-cd)pyrene	ND	0.0005		mg/L	5	6/5/2012
Naphthalene	ND	0.005		mg/L	5	6/5/2012
Phenanthrene	ND	0.005		mg/L	5	6/5/2012
Pyrene	ND	0.005		mg/L	5	6/5/2012
<b>Total Petroleum Hydrocarbons (GRO) by GC/MS</b>						
	<b>SW8260B</b>				Prep Date:	Analyst: ART
Gasoline Range Organics	ND	0.5	*	mg/L	1	6/8/2012
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW8260B (SW5030B)</b>				Prep Date:	Analyst: ART
Acetone	ND	0.02		mg/L	1	6/8/2012
Benzene	ND	0.005		mg/L	1	6/8/2012
Bromodichloromethane	ND	0.005		mg/L	1	6/8/2012
Bromoform	ND	0.005		mg/L	1	6/8/2012

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Client: Weston Solutions, Inc.

Lab Order: 12050761

Project: 20405.016.001.1392.00, Milwaukee Die Cast

Lab ID: 12050761-002

Client Sample ID: MDC-SWS02

Collection Date: 5/29/2012 10:54:00 AM

Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW8260B (SW5030B)</b>			Prep Date:		Analyst: ART
Bromomethane	ND	0.01		mg/L	1	6/8/2012
2-Butanone	ND	0.02		mg/L	1	6/8/2012
Carbon disulfide	ND	0.01		mg/L	1	6/8/2012
Carbon tetrachloride	ND	0.005		mg/L	1	6/8/2012
Chlorobenzene	ND	0.005		mg/L	1	6/8/2012
Chloroethane	ND	0.01		mg/L	1	6/8/2012
Chloroform	ND	0.005		mg/L	1	6/8/2012
Chloromethane	ND	0.01		mg/L	1	6/8/2012
Dibromochloromethane	ND	0.005		mg/L	1	6/8/2012
1,1-Dichloroethane	ND	0.005		mg/L	1	6/8/2012
1,2-Dichloroethane	ND	0.005		mg/L	1	6/8/2012
1,1-Dichloroethene	ND	0.005		mg/L	1	6/8/2012
cis-1,2-Dichloroethene	0.09	0.005		mg/L	1	6/8/2012
trans-1,2-Dichloroethene	ND	0.005		mg/L	1	6/8/2012
1,2-Dichloropropane	ND	0.005		mg/L	1	6/8/2012
cis-1,3-Dichloropropene	ND	0.001		mg/L	1	6/8/2012
trans-1,3-Dichloropropene	ND	0.001		mg/L	1	6/8/2012
Ethylbenzene	ND	0.005		mg/L	1	6/8/2012
2-Hexanone	ND	0.02		mg/L	1	6/8/2012
4-Methyl-2-pentanone	ND	0.02		mg/L	1	6/8/2012
Methylene chloride	ND	0.005		mg/L	1	6/8/2012
Methyl tert-butyl ether	ND	0.005		mg/L	1	6/8/2012
Styrene	ND	0.005		mg/L	1	6/8/2012
1,1,2,2-Tetrachloroethane	ND	0.005		mg/L	1	6/8/2012
Tetrachloroethene	0.009	0.005		mg/L	1	6/8/2012
Toluene	ND	0.005		mg/L	1	6/8/2012
1,1,1-Trichloroethane	ND	0.005		mg/L	1	6/8/2012
1,1,2-Trichloroethane	ND	0.005		mg/L	1	6/8/2012
Trichloroethene	0.14	0.005		mg/L	1	6/8/2012
Vinyl chloride	0.011	0.002		mg/L	1	6/8/2012
Xylenes, Total	ND	0.015		mg/L	1	6/8/2012

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: July 19, 2012

Date Printed: July 19, 2012

Client: Weston Solutions, Inc.

Lab Order: 12050761

Project: 20405.016.001.1392.00, Milwaukee Die Cast

Lab ID: 12050761-003

Client Sample ID: Trip Blank

Collection Date:

Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW8260B (SW5030B)</b>			Prep Date:		Analyst: ART
Acetone	ND	0.02		mg/L	1	6/8/2012
Benzene	ND	0.005		mg/L	1	6/8/2012
Bromodichloromethane	ND	0.005		mg/L	1	6/8/2012
Bromoform	ND	0.005		mg/L	1	6/8/2012
Bromomethane	ND	0.01		mg/L	1	6/8/2012
2-Butanone	ND	0.02		mg/L	1	6/8/2012
Carbon disulfide	ND	0.01		mg/L	1	6/8/2012
Carbon tetrachloride	ND	0.005		mg/L	1	6/8/2012
Chlorobenzene	ND	0.005		mg/L	1	6/8/2012
Chloroethane	ND	0.01		mg/L	1	6/8/2012
Chloroform	ND	0.005		mg/L	1	6/8/2012
Chloromethane	ND	0.01		mg/L	1	6/8/2012
Dibromochloromethane	ND	0.005		mg/L	1	6/8/2012
1,1-Dichloroethane	ND	0.005		mg/L	1	6/8/2012
1,2-Dichloroethane	ND	0.005		mg/L	1	6/8/2012
1,1-Dichloroethene	ND	0.005		mg/L	1	6/8/2012
cis-1,2-Dichloroethene	ND	0.005		mg/L	1	6/8/2012
trans-1,2-Dichloroethene	ND	0.005		mg/L	1	6/8/2012
1,2-Dichloropropane	ND	0.005		mg/L	1	6/8/2012
cis-1,3-Dichloropropene	ND	0.001		mg/L	1	6/8/2012
trans-1,3-Dichloropropene	ND	0.001		mg/L	1	6/8/2012
Ethylbenzene	ND	0.005		mg/L	1	6/8/2012
2-Hexanone	ND	0.02		mg/L	1	6/8/2012
4-Methyl-2-pentanone	ND	0.02		mg/L	1	6/8/2012
Methylene chloride	ND	0.005		mg/L	1	6/8/2012
Methyl tert-butyl ether	ND	0.005		mg/L	1	6/8/2012
Styrene	ND	0.005		mg/L	1	6/8/2012
1,1,2,2-Tetrachloroethane	ND	0.005		mg/L	1	6/8/2012
Tetrachloroethene	ND	0.005		mg/L	1	6/8/2012
Toluene	ND	0.005		mg/L	1	6/8/2012
1,1,1-Trichloroethane	ND	0.005		mg/L	1	6/8/2012
1,1,2-Trichloroethane	ND	0.005		mg/L	1	6/8/2012
Trichloroethene	ND	0.005		mg/L	1	6/8/2012
Vinyl chloride	ND	0.002		mg/L	1	6/8/2012
Xylenes, Total	ND	0.015		mg/L	1	6/8/2012

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

## CHAIN OF CUSTODY RECORD

Nº: 843172

Page: \_\_\_\_\_ of \_\_\_\_\_

<b>Company:</b> <u>Helton Solutions</u> <b>Project Number:</b> <u>20405-016-001.1392.00</u> <b>Project Name:</b> <u>Wilwaukee Die Cast</u> <b>Project Location:</b> <u>4132 North Holton St, Milwaukee WI</u> <b>Sampler(s):</b> <u>K. Halbur</u>		<b>P.O. No.:</b> _____ <b>Quote No.:</b> _____		<b>Page:</b> <u>043112</u> <b>of</b> _____	
<b>Report To:</b> <u>Maurita Stollerwerk</u> <b>Phone:</b> <u>414-347-1697</u> <b>Fax:</b> <u>414-347-1850</u> <b>e-mail:</b> <u>m.stollerwerk@westonsolutions.com</u>		<b>Turn Around:</b> <u>Std.</u> <b>Results Needed:</b> _____ <b>am/pm</b> _____			
<b>QC Level:</b> 1    2 <u>X</u> 3    4		<b>Lab No.:</b> _____			
<b>Client Sample Number/Description:</b>		<b>Date Taken</b>		<b>Time Taken</b>	
<u>MDC-SW501</u>		<u>5/29/12</u>		<u>10:45</u>	
<u>MDC-SW502</u>		<u>5/29/12</u>		<u>10:54</u>	
<b>Matrix</b>		<b>Comp.</b>		<b>Grab</b>	
<u>Water</u>		<u>X</u>		<u>AB</u>	
<b>No. of Containers</b>		<b>Preserv.</b>		<b>Matrix</b>	
<u>1</u>		<u>0</u>		<u>0.7</u>	
<b>Remarks</b>		<b>Lab No.:</b> _____			
<u>Anal. oil only - 001</u>		<u>extra btl included 002</u>			
<u>NO H2O2 - 001</u>		<u>NO H2O2 - 002</u>			
<u>NO H2O2 - 003</u>		<u>NO H2O2 - 004</u>			
<u>NO H2O2 - 005</u>		<u>NO H2O2 - 006</u>			
<u>NO H2O2 - 007</u>		<u>NO H2O2 - 008</u>			
<u>NO H2O2 - 009</u>		<u>NO H2O2 - 010</u>			
<u>NO H2O2 - 011</u>		<u>NO H2O2 - 012</u>			
<u>NO H2O2 - 013</u>		<u>NO H2O2 - 014</u>			
<u>NO H2O2 - 015</u>		<u>NO H2O2 - 016</u>			
<u>NO H2O2 - 017</u>		<u>NO H2O2 - 018</u>			
<u>NO H2O2 - 019</u>		<u>NO H2O2 - 020</u>			
<u>NO H2O2 - 021</u>		<u>NO H2O2 - 022</u>			
<u>NO H2O2 - 023</u>		<u>NO H2O2 - 024</u>			
<u>NO H2O2 - 025</u>		<u>NO H2O2 - 026</u>			
<u>NO H2O2 - 027</u>		<u>NO H2O2 - 028</u>			
<u>NO H2O2 - 029</u>		<u>NO H2O2 - 030</u>			
<u>NO H2O2 - 031</u>		<u>NO H2O2 - 032</u>			
<u>NO H2O2 - 033</u>		<u>NO H2O2 - 034</u>			
<u>NO H2O2 - 035</u>		<u>NO H2O2 - 036</u>			
<u>NO H2O2 - 037</u>		<u>NO H2O2 - 038</u>			
<u>NO H2O2 - 039</u>		<u>NO H2O2 - 040</u>			
<u>NO H2O2 - 041</u>		<u>NO H2O2 - 042</u>			
<u>NO H2O2 - 043</u>		<u>NO H2O2 - 044</u>			
<u>NO H2O2 - 045</u>		<u>NO H2O2 - 046</u>			
<u>NO H2O2 - 047</u>		<u>NO H2O2 - 048</u>			
<u>NO H2O2 - 049</u>		<u>NO H2O2 - 050</u>			
<u>NO H2O2 - 051</u>		<u>NO H2O2 - 052</u>			
<u>NO H2O2 - 053</u>		<u>NO H2O2 - 054</u>			
<u>NO H2O2 - 055</u>		<u>NO H2O2 - 056</u>			
<u>NO H2O2 - 057</u>		<u>NO H2O2 - 058</u>			
<u>NO H2O2 - 059</u>		<u>NO H2O2 - 060</u>			
<u>NO H2O2 - 061</u>		<u>NO H2O2 - 062</u>			
<u>NO H2O2 - 063</u>		<u>NO H2O2 - 064</u>			
<u>NO H2O2 - 065</u>		<u>NO H2O2 - 066</u>			
<u>NO H2O2 - 067</u>		<u>NO H2O2 - 068</u>			
<u>NO H2O2 - 069</u>		<u>NO H2O2 - 070</u>			
<u>NO H2O2 - 071</u>		<u>NO H2O2 - 072</u>			
<u>NO H2O2 - 073</u>		<u>NO H2O2 - 074</u>			
<u>NO H2O2 - 075</u>		<u>NO H2O2 - 076</u>			
<u>NO H2O2 - 077</u>		<u>NO H2O2 - 078</u>			
<u>NO H2O2 - 079</u>		<u>NO H2O2 - 080</u>			
<u>NO H2O2 - 081</u>		<u>NO H2O2 - 082</u>			
<u>NO H2O2 - 083</u>		<u>NO H2O2 - 084</u>			
<u>NO H2O2 - 085</u>		<u>NO H2O2 - 086</u>			
<u>NO H2O2 - 087</u>		<u>NO H2O2 - 088</u>			
<u>NO H2O2 - 089</u>		<u>NO H2O2 - 090</u>			
<u>NO H2O2 - 091</u>		<u>NO H2O2 - 092</u>			
<u>NO H2O2 - 093</u>		<u>NO H2O2 - 094</u>			
<u>NO H2O2 - 095</u>		<u>NO H2O2 - 096</u>			
<u>NO H2O2 - 097</u>		<u>NO H2O2 - 098</u>			
<u>NO H2O2 - 099</u>		<u>NO H2O2 - 100</u>			
<u>NO H2O2 - 101</u>		<u>NO H2O2 - 102</u>			
<u>NO H2O2 - 103</u>					

**Sample Receipt Checklist**

Client Name WESTON MILWAUKEE

Date and Time Received: 5/30/2012 9:45:00 AM

Work Order Number 12050761

Received by: CDF

Checklist completed by:

Signature

Date

5/30/12

Reviewed by:

Initials

Date

CK 5/31/12

Matrix:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature 3.5 °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Checked by: CA
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? IVO

Any No response must be detailed in the comments section below.

Comments:

Trip Blank received but not listed on COC.

Client / Person contacted:

Marita & Lisa

Date contacted:

5/31/12

Contacted by:

KL email

Response:



**Katelin Lewis**

---

**From:** Stollenwerk, Marita (Dunn) [M.Dunn@WestonSolutions.com]  
**Sent:** Thursday, May 31, 2012 11:40 AM  
**To:** Katelin Lewis; Graczyk, Lisa  
**Subject:** RE: 20405.016.001.1392.00, Milwaukee Die Cast Samples

Yes please analyze the Trip Blank for VOCs. Sorry for the omission and thank you for checking.

---

**From:** Katelin Lewis [mailto:KLewis@STATAnalysis.com]  
**Sent:** Thursday, May 31, 2012 11:36 AM  
**To:** Stollenwerk, Marita (Dunn); Graczyk, Lisa  
**Subject:** 20405.016.001.1392.00, Milwaukee Die Cast Samples

For project 20405.016.001.1392.00, Milwaukee Die Cast, a sample labeled Trip Blank was received but not listed on the COC. Would you like the Trip Blank analyzed or is it to not appear on the report? Please advice regarding this sample. I attached the COC for your review.

Thank you,

Katelin Lewis  
STAT Analysis Corporation  
2242 W. Harrison, Suite 200  
Chicago, IL 60612  
(312)733-0551

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<<12050761coc.pdf>>

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**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast  
**Test No:** SW8260B **Matrix:** W

## QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK060712A-7	88.9	103	106	102				
VLCS060712A-7	90.2	103	106	100				
VLCS060712A	91.8	101	106	104				
12050761-003A	87.9	102	102	103				
12050761-002A	90.8	101	108	103				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	86-115
BZMED8	= Toluene-d8	88-110
DBFM	= Dibromofluoromethane	86-118
DCA12D4	= 1,2-Dichloroethane-d4	80-120

\* Surrogate recovery outside acceptance limits

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast

## ANALYTICAL QC SUMMARY REPORT

**BatchID: R80866**

Sample ID	VBLK060712A-7	SampType: MBLK	TestCode: VOC-GRO_W Units: mg/L				Prep Date:			Run ID: VOA-7_120607B		
Client ID:	ZZZZZ	Batch ID: R80866	TestNo: SW8260B				Analysis Date: 6/8/2012			SeqNo: 2174955		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics		0.1077	0.50									J*

Sample ID	GLCS060712A-7	SampType: LCS	TestCode: VOC-GRO_W Units: mg/L				Prep Date:			Run ID: VOA-7_120607B		
Client ID: ZZZZZ		Batch ID: R80866	TestNo: SW8260B				Analysis Date: 6/8/2012			SeqNo: 2174953		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics		0.9372	0.50	1	0	0	50	150	0	0		*

Sample ID	GLCSD060712A-7	SampType:	LCS	TestCode:	VOC-GRO_W	Units:	mg/L	Prep Date:		Run ID:	VOA-7_120607B	
Client ID:	ZZZZZ	Batch ID:	R80866	TestNo:	SW8260B			Analysis Date:	6/8/2012	SeqNo:	2174954	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics		0.9147	0.50	1	0	0	50	150	0.9372	2.43	25	*

Sample ID	VBLK060712A-7	SampType:	MBLK	TestCode:	VOC_W+	Units:	mg/L	Prep Date:		Run ID:	VOA-7_120607B	
Client ID:	ZZZZZ	Batch ID:	R80866	TestNo:	SW8260B			Analysis Date:	6/8/2012	SeqNo:	2174876	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.020									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone		ND	0.020									
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
\* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank  
E - Value above quantitation range

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R80866

Sample ID	<b>VBLK060712A-7</b>	SampType:	<b>MBLK</b>	TestCode:	<b>VOC_W+</b>	Units:	<b>mg/L</b>	Prep Date:		Run ID:	<b>VOA-7_120607B</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>R80866</b>	TestNo:	<b>SW8260B</b>			Analysis Date:	<b>6/8/2012</b>	SeqNo:	<b>2174876</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.010									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	0.00187	0.0050									J
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0010									
Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
Methyl tert-butyl ether	ND	0.0050									
Methylene chloride	ND	0.0050									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0010									
Trichloroethene	0.00197	0.0050									J
Vinyl chloride	ND	0.0020									
Xylenes, Total	ND	0.015									

Sample ID	<b>VLCS060712A-7</b>	SampType:	<b>LCS</b>	TestCode:	<b>VOC_W+</b>	Units:	<b>mg/L</b>	Prep Date:		Run ID:	<b>VOA-7_120607B</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>R80866</b>	TestNo:	<b>SW8260B</b>			Analysis Date:	<b>6/8/2012</b>	SeqNo:	<b>2174877</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	0.02151	0.0050	0.02	0	108	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.02079	0.0050	0.02	0	104	70	130	0	0		
1,1,2-Trichloroethane	0.02132	0.0050	0.02	0	107	70	130	0	0		
1,1-Dichloroethane	0.02357	0.0050	0.02	0	118	70	130	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast

## ANALYTICAL QC SUMMARY REPORT

**BatchID: R80866**

Sample ID	VLCS060712A-7	SampType: LCS	TestCode: VOC_W+	Units: mg/L	Prep Date:				Run ID: VOA-7_120607B		
Client ID: ZZZZZ	Batch ID: R80866	TestNo: SW8260B			Analysis Date: 6/8/2012				SeqNo: 2174877		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.02006	0.0050	0.02	0	100	70	130	0	0		
1,2-Dichloroethane	0.02173	0.0050	0.02	0	109	70	130	0	0		
1,2-Dichloropropane	0.02344	0.0050	0.02	0	117	70	130	0	0		
2-Butanone	0.04535	0.020	0.04	0	113	70	130	0	0		
2-Hexanone	0.04184	0.020	0.04	0	105	70	130	0	0		
4-Methyl-2-pentanone	0.04526	0.020	0.04	0	113	70	130	0	0		
Acetone	0.04824	0.020	0.04	0	121	50	150	0	0		
Benzene	0.02174	0.0050	0.02	0	109	70	130	0	0		
Bromodichloromethane	0.02124	0.0050	0.02	0	106	70	130	0	0		
Bromoform	0.01709	0.0050	0.02	0	85.4	70	130	0	0		
Bromomethane	0.01581	0.010	0.02	0	79	70	130	0	0		
Carbon disulfide	0.04656	0.010	0.04	0	116	70	130	0	0		
Carbon tetrachloride	0.0197	0.0050	0.02	0	98.5	70	130	0	0		
Chlorobenzene	0.02134	0.0050	0.02	0	107	70	130	0	0		
Chloroethane	0.02343	0.010	0.02	0	117	70	130	0	0		
Chloroform	0.02362	0.0050	0.02	0.00187	109	70	130	0	0		
Chloromethane	0.03188	0.010	0.02	0	159	70	130	0	0		S
cis-1,2-Dichloroethene	0.02138	0.0050	0.02	0	107	70	130	0	0		
cis-1,3-Dichloropropene	0.01988	0.0010	0.02	0	99.4	70	130	0	0		
Dibromochloromethane	0.01907	0.0050	0.02	0	95.4	70	130	0	0		
Ethylbenzene	0.02085	0.0050	0.02	0	104	70	130	0	0		
Methyl tert-butyl ether	0.0228	0.0050	0.02	0	114	50	150	0	0		
Methylene chloride	0.02201	0.0050	0.02	0	110	70	130	0	0		
Styrene	0.02025	0.0050	0.02	0	101	70	130	0	0		
Tetrachloroethene	0.01877	0.0050	0.02	0	93.8	70	130	0	0		
Toluene	0.02155	0.0050	0.02	0	108	70	130	0	0		
trans-1,2-Dichloroethene	0.02121	0.0050	0.02	0	106	70	130	0	0		
trans-1,3-Dichloropropene	0.02016	0.0010	0.02	0	101	70	130	0	0		
Trichloroethene	0.02324	0.0050	0.02	0.00197	106	70	130	0	0		
Vinyl chloride	0.02426	0.0020	0.02	0	121	70	130	0	0		
Xylenes, Total	0.06276	0.015	0.06	0	105	70	130	0	0		

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast

## ANALYTICAL QC SUMMARY REPORT

**BatchID: R80866**

Sample ID	VLCS060712A	SampType: LCSD	TestCode: VOC_W+	Units: mg/L	Prep Date:				Run ID: VOA-7_120607B		
Client ID:	ZZZZZ	Batch ID: R80866	TestNo: SW8260B	Analysis Date: 6/8/2012				SeqNo: 2174878			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.01991	0.0050	0.02	0	99.6	70	130	0.02151	7.73	20	
1,1,2,2-Tetrachloroethane	0.02062	0.0050	0.02	0	103	70	130	0.02079	0.821	20	
1,1,2-Trichloroethane	0.0193	0.0050	0.02	0	96.5	70	130	0.02132	9.95	20	
1,1-Dichloroethane	0.02224	0.0050	0.02	0	111	70	130	0.02357	5.81	20	
1,1-Dichloroethene	0.01966	0.0050	0.02	0	98.3	70	130	0.02006	2.01	20	
1,2-Dichloroethane	0.02208	0.0050	0.02	0	110	70	130	0.02173	1.60	20	
1,2-Dichloropropane	0.02143	0.0050	0.02	0	107	70	130	0.02344	8.96	20	
2-Butanone	0.04438	0.020	0.04	0	111	70	130	0.04535	2.16	20	
2-Hexanone	0.04353	0.020	0.04	0	109	70	130	0.04184	3.96	20	
4-Methyl-2-pentanone	0.04637	0.020	0.04	0	116	70	130	0.04526	2.42	20	
Acetone	0.04939	0.020	0.04	0	123	50	150	0.04824	2.36	20	
Benzene	0.02069	0.0050	0.02	0	103	70	130	0.02174	4.95	20	
Bromodichloromethane	0.02136	0.0050	0.02	0	107	70	130	0.02124	0.563	20	
Bromoform	0.01755	0.0050	0.02	0	87.8	70	130	0.01709	2.66	20	
Bromomethane	0.02145	0.010	0.02	0	107	70	130	0.01581	30.3	20	R
Carbon disulfide	0.04474	0.010	0.04	0	112	70	130	0.04656	3.99	20	
Carbon tetrachloride	0.019	0.0050	0.02	0	95	70	130	0.0197	3.62	20	
Chlorobenzene	0.021	0.0050	0.02	0	105	70	130	0.02134	1.61	20	
Chloroethane	0.02353	0.010	0.02	0	118	70	130	0.02343	0.426	20	
Chloroform	0.02262	0.0050	0.02	0.00187	104	70	130	0.02362	4.33	20	
Chloromethane	0.0295	0.010	0.02	0	148	70	130	0.03188	7.75	20	S
cis-1,2-Dichloroethene	0.02125	0.0050	0.02	0	106	70	130	0.02138	0.610	20	
cis-1,3-Dichloropropene	0.01947	0.0010	0.02	0	97.4	70	130	0.01988	2.08	20	
Dibromochloromethane	0.01951	0.0050	0.02	0	97.6	70	130	0.01907	2.28	20	
Ethylbenzene	0.01997	0.0050	0.02	0	99.8	70	130	0.02085	4.31	20	
Methyl tert-butyl ether	0.02269	0.0050	0.02	0	113	50	150	0.0228	0.484	20	
Methylene chloride	0.02099	0.0050	0.02	0	105	70	130	0.02201	4.74	20	
Styrene	0.01968	0.0050	0.02	0	98.4	70	130	0.02025	2.85	20	
Tetrachloroethene	0.01808	0.0050	0.02	0	90.4	70	130	0.01877	3.74	20	
Toluene	0.02106	0.0050	0.02	0	105	70	130	0.02155	2.30	20	
trans-1,2-Dichloroethene	0.02016	0.0050	0.02	0	101	70	130	0.02121	5.08	20	

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	



**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast

## ANALYTICAL QC SUMMARY REPORT

**BatchID: R80866**

Sample ID	VLCS060712A	SampType: LCSD	TestCode: VOC_W+	Units: mg/L	Prep Date:				Run ID: VOA-7_120607B		
Client ID: ZZZZZ	Batch ID: R80866	TestNo: SW8260B			Analysis Date: 6/8/2012				SeqNo: 2174878		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	0.01993	0.0010	0.02	0	99.7	70	130	0.02016	1.15	20	
Trichloroethene	0.02196	0.0050	0.02	0.00197	100	70	130	0.02324	5.66	20	
Vinyl chloride	0.024	0.0020	0.02	0	120	70	130	0.02426	1.08	20	
Xylenes, Total	0.06152	0.015	0.06	0	103	70	130	0.06276	2.00	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
\* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank  
E - Value above quantitation range

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast  
**Test No:** SW8270C-SIM **Matrix:** W

## QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	DCBZ12D4	NO2BZD5	PHEN2F	PHEND14				
MB-62949-PNA	80.2	108	83.0	98.6				
LCS-62949-PNA	86.8	114	89.0	105				
LCSD-62949-PNA	85.6	115 *	88.2	101				
12050761-002B:5	85.0	117 *	91.0	6.00 *				

Acronym	Surrogate	QC Limits
DCBZ12D4	= 1,2-Dichlorobenzene-d4	16-110
NO2BZD5	= Nitrobenzene-d5	35-114
PHEN2F	= 2-Fluorobiphenyl	43-116
PHEND14	= 4-Terphenyl-d14	33-141

\* Surrogate recovery outside acceptance limits

Prep Start Date: **5/31/2012 4:17:31 P**

Prep End Date:

Prep Factor Units:

 Prep Batch **62949**

 Prep Code: **3510\_PNA**

 Technician: **VCC**

mL / L

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-62949-PNA			1	0	0	1	1.000	5/31/2012	5/31/2012
LCS-62949-PNA			1	0	0	1	1.000	5/31/2012	5/31/2012
LCSD-62949-PNA			1	0	0	1	1.000	5/31/2012	5/31/2012
12050772-001B	Water		1	0	0	1	1.000	5/31/2012	5/31/2012
12050772-002B	Water		1	0	0	1	1.000	5/31/2012	5/31/2012
12050772-003B	Water		1	0	0	1	1.000	5/31/2012	5/31/2012
12050761-002B	Water		1	0	0	1	1.000	5/31/2012	6/1/2012

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 62949

Sample ID	<b>MB-62949-PNA</b>	SampType:	<b>MBLK</b>	TestCode:	<b>PNA_WATER</b>	Units:	<b>mg/L</b>	Prep Date:	<b>5/31/2012</b>	Run ID:	<b>SVOC-7_120605A</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>62949</b>	TestNo:	<b>SW8270C-SI</b>			Analysis Date:	<b>6/5/2012</b>	SeqNo:	<b>2171199</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.0010									
Acenaphthylene	ND	0.0010									
Anthracene	ND	0.0010									
Benz(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.0010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenz(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.0010									
Fluorene	ND	0.0010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.0010									
Phenanthrene	ND	0.0010									
Pyrene	ND	0.0010									

Sample ID	<b>LCS-62949-PNA</b>	SampType:	<b>LCS</b>	TestCode:	<b>PNA_WATER</b>	Units:	<b>mg/L</b>	Prep Date:	<b>5/31/2012</b>	Run ID:	<b>SVOC-7_120605A</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>62949</b>	TestNo:	<b>SW8270C-SI</b>			Analysis Date:	<b>6/5/2012</b>	SeqNo:	<b>2171257</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00473	0.0010	0.005	0	94.6	50	125	0	0		
Acenaphthylene	0.00492	0.0010	0.005	0	98.4	50	125	0	0		
Anthracene	0.00492	0.0010	0.005	0	98.4	50	125	0	0		
Benz(a)anthracene	0.00529	0.00010	0.005	0	106	50	125	0	0		
Benzo(a)pyrene	0.00409	0.00010	0.005	0	81.8	50	125	0	0		
Benzo(b)fluoranthene	0.00461	0.00010	0.005	0	92.2	50	125	0	0		
Benzo(g,h,i)perylene	0.00385	0.0010	0.005	0	77	50	125	0	0		
Benzo(k)fluoranthene	0.005	0.00010	0.005	0	100	50	125	0	0		
Chrysene	0.00512	0.00010	0.005	0	102	50	125	0	0		
Dibenz(a,h)anthracene	0.00405	0.00010	0.005	0	81	50	125	0	0		

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 62949

Sample ID	<b>LCS-62949-PNA</b>	SampType:	<b>LCS</b>	TestCode:	<b>PNA_WATER</b>	Units:	<b>mg/L</b>	Prep Date:	<b>5/31/2012</b>	Run ID:	<b>SVOC-7_120605A</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>62949</b>	TestNo:	<b>SW8270C-SI</b>			Analysis Date:	<b>6/5/2012</b>	SeqNo:	<b>2171257</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoranthene	0.00527	0.0010	0.005	0	105	50	125	0	0		
Fluorene	0.00481	0.0010	0.005	0	96.2	50	125	0	0		
Indeno(1,2,3-cd)pyrene	0.00416	0.00010	0.005	0	83.2	50	125	0	0		
Naphthalene	0.00469	0.0010	0.005	0	93.8	50	125	0	0		
Phenanthrene	0.00524	0.0010	0.005	0	105	50	125	0	0		
Pyrene	0.00504	0.0010	0.005	0	101	50	125	0	0		

Sample ID	<b>LCSD-62949-PNA</b>	SampType:	<b>LCSD</b>	TestCode:	<b>PNA_WATER</b>	Units:	<b>mg/L</b>	Prep Date:	<b>5/31/2012</b>	Run ID:	<b>SVOC-7_120605A</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>62949</b>	TestNo:	<b>SW8270C-SI</b>			Analysis Date:	<b>6/5/2012</b>	SeqNo:	<b>2171720</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00477	0.0010	0.005	0	95.4	50	125	0.00473	0.842	25	
Acenaphthylene	0.0049	0.0010	0.005	0	98	50	125	0.00492	0.407	25	
Anthracene	0.00492	0.0010	0.005	0	98.4	50	125	0.00492	0	25	
Benz(a)anthracene	0.00525	0.00010	0.005	0	105	50	125	0.00529	0.759	25	
Benzo(a)pyrene	0.00376	0.00010	0.005	0	75.2	50	125	0.00409	8.41	25	
Benzo(b)fluoranthene	0.00432	0.00010	0.005	0	86.4	50	125	0.00461	6.49	25	
Benzo(g,h,i)perylene	0.00334	0.0010	0.005	0	66.8	50	125	0.00385	14.2	25	
Benzo(k)fluoranthene	0.00469	0.00010	0.005	0	93.8	50	125	0.005	6.40	25	
Chrysene	0.0052	0.00010	0.005	0	104	50	125	0.00512	1.55	25	
Dibenz(a,h)anthracene	0.00368	0.00010	0.005	0	73.6	50	125	0.00405	9.57	25	
Fluoranthene	0.00513	0.0010	0.005	0	103	50	125	0.00527	2.69	25	
Fluorene	0.0048	0.0010	0.005	0	96	50	125	0.00481	0.208	25	
Indeno(1,2,3-cd)pyrene	0.00375	0.00010	0.005	0	75	50	125	0.00416	10.4	25	
Naphthalene	0.0046	0.0010	0.005	0	92	50	125	0.00469	1.94	25	
Phenanthrene	0.00497	0.0010	0.005	0	99.4	50	125	0.00524	5.29	25	
Pyrene	0.00483	0.0010	0.005	0	96.6	50	125	0.00504	4.26	25	

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT:

Weston Solutions, Inc.

Work Order:

12050761

Project:

20405.016.001.1392.00, Milwaukee Die Cast

Test No:

SW8082

Matrix:

W

QC SUMMARY REPORT

SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
MB-62935-PCB	91.0	104						
LCS-62935-PCB	79.0	98.0						
LCSD-62935-PCB	89.0	104						
12050761-002B:1000	0 *	0 *						

Acronym	Surrogate	QC Limits
CL10BZ2	= Decachlorobiphenyl	30-150
XYL2456CLM	= Tetrachloro-m-xylene	30-150

\* Surrogate recovery outside acceptance limits



Prep Start Date: **5/31/2012 11:15:28**

 Prep End Date: **6/8/2012 8:32:00 AM**

Prep Factor Units:

 Prep Batch **62935**

 Prep Code: **3510\_PCB**

 Technician: **PEM**

mL / L

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-62935-PCB			1	0	0	10	10.000	5/31/2012	5/31/2012
LCS-62935-PCB			1	0	0	10	10.000	5/31/2012	5/31/2012
LCSD-62935-PCB			1	0	0	10	10.000	5/31/2012	5/31/2012
12050774-001A	Liquid		0.1	0	0	10	100.000	5/31/2012	5/31/2012
12050774-003A	Liquid		0.1	0	0	10	100.000	5/31/2012	5/31/2012
12050761-002B	Water		1	0	0	10	10.000	5/31/2012	6/1/2012
12050815-001A	Liquid		0.1	0	0	10	100.000	5/31/2012	6/1/2012
12050815-003A	Liquid		0.11	0	0	10	90.909	5/31/2012	6/1/2012

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 62935

Sample ID	<b>MB-62935-PCB</b>	SampType:	<b>MBLK</b>	TestCode:	<b>PCB_WATER</b>	Units:	<b>mg/L</b>	Prep Date:	<b>5/31/2012</b>	Run ID:	<b>GC-ECD2_120531A</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>62935</b>	TestNo:	<b>SW8082</b>			Analysis Date:	<b>5/31/2012</b>	SeqNo:	<b>2168679</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	ND	0.00050									
Aroclor 1221	ND	0.00050									
Aroclor 1232	ND	0.00050									
Aroclor 1242	ND	0.00050									
Aroclor 1248	ND	0.00050									
Aroclor 1254	ND	0.00050									
Aroclor 1260	ND	0.00050									

Sample ID	<b>LCS-62935-PCB</b>	SampType:	<b>LCS</b>	TestCode:	<b>PCB_WATER</b>	Units:	<b>mg/L</b>	Prep Date:	<b>5/31/2012</b>	Run ID:	<b>GC-ECD2_120531A</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>62935</b>	TestNo:	<b>SW8082</b>			Analysis Date:	<b>5/31/2012</b>	SeqNo:	<b>2168680</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	0.01212	0.00050	0.01	0	121	30	150	0	0		
Aroclor 1260	0.01034	0.00050	0.01	0	103	30	150	0	0		

Sample ID	<b>LCSD-62935-PCB</b>	SampType:	<b>LCSD</b>	TestCode:	<b>PCB_WATER</b>	Units:	<b>mg/L</b>	Prep Date:	<b>5/31/2012</b>	Run ID:	<b>GC-ECD2_120531A</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>62935</b>	TestNo:	<b>SW8082</b>			Analysis Date:	<b>5/31/2012</b>	SeqNo:	<b>2168681</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	0.01257	0.00050	0.01	0	126	30	150	0.01212	3.65	25	
Aroclor 1260	0.01119	0.00050	0.01	0	112	30	150	0.01034	7.82	25	

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast  
**Test No:** SW8082 **Matrix:** O

**QC SUMMARY REPORT  
SURROGATE RECOVERIES**

**Sample ID** **CL10BZ2** **XYL2456CLM**

MB-62913-PCB	73.0	128						
LCS-62913-PCB	88.0	127						
12050743-001AMS	80.0	80.0						
12050743-001AMSD	80.0	70.0						
12050761-001A:1000	3000 *	0 *						

**Acronym**

**Surrogate**

**QC Limits**

CL10BZ2

= Decachlorobiphenyl

30-150

XYL2456CLM

= Tetrachloro-m-xylene

30-150

**\* Surrogate recovery outside acceptance limits**

Prep Start Date: **5/30/2012 11:44:27**

 Prep End Date: **6/4/2012 5:59:43 PM**

Prep Factor Units:

 Prep Batch **62913**

 Prep Code: **3580\_P**

 Technician: **IP**

mL / Kg

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-62913-PCB			0.001	0	0	10	10000.000	5/30/2012	5/30/2012
LCS-62913-PCB			0.001	0	0	10	10000.000	5/30/2012	5/30/2012
12050743-001A	Oil		0.00104	0	0	10	9615.385	5/30/2012	5/30/2012
12050745-001A	Oil		0.00104	0	0	10	9615.385	5/30/2012	5/30/2012
12050747-001A	Oil		0.00107	0	0	10	9345.794	5/30/2012	5/30/2012
12050748-001A	Oil		0.00113	0	0	10	8849.558	5/30/2012	5/30/2012
12050749-002A	Solid		0.00109	0	0	10	9174.312	5/30/2012	5/30/2012
12050749-004A	Sludge		0.00123	0	0	10	8130.081	5/30/2012	5/30/2012
12050750-002A	Solid		0.00111	0	0	10	9009.009	5/30/2012	5/30/2012
12050751-001A	Oil		0.00104	0	0	10	9615.385	5/30/2012	5/30/2012
12050751-002A	Oil		0.00105	0	0	10	9523.810	5/30/2012	5/30/2012
12050752-001A	Oil		0.00104	0	0	10	9615.385	5/30/2012	5/30/2012
12050753-001A	Oil		0.00105	0	0	10	9523.810	5/30/2012	5/30/2012
12050754-001A	Oil		0.00104	0	0	10	9615.385	5/30/2012	5/30/2012
12050743-001AMS	Oil		0.00106	0	0	10	9433.962	5/30/2012	5/30/2012
12050743-001AMSD	Oil		0.00104	0	0	10	9615.385	5/30/2012	5/30/2012
12050761-001A	Oil		0.00107	0	0	10	9345.794	5/30/2012	5/30/2012

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 62913

Sample ID	12050743-001AMS	SampType:	MS	TestCode:	PCB_OIL	Units:	mg/Kg	Prep Date:	5/30/2012	Run ID:	GC-ECD2_120530A		
Client ID:	ZZZZZ	Batch ID:	62913	TestNo:	D4059			Analysis Date:	5/30/2012	SeqNo:	2167685		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1260	12.95	0.94	9.434	0	137	30	150	0	0	*
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Sample ID	12050743-001AMSD	SampType:	MSD	TestCode:	PCB_OIL	Units:	mg/Kg	Prep Date:	5/30/2012	Run ID:	GC-ECD2_120530A		
Client ID:	ZZZZZ	Batch ID:	62913	TestNo:	D4059			Analysis Date:	5/30/2012	SeqNo:	2167687		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1260	13.27	0.96	9.615	0	138	30	150	12.95	2.45	25	*
--------------	-------	------	-------	---	-----	----	-----	-------	------	----	---

Sample ID	MB-62913-PCB	SampType:	MBLK	TestCode:	PCB_SOLID	Units:	mg/Kg	Prep Date:	5/30/2012	Run ID:	GC-ECD2_120530A		
Client ID:	ZZZZZ	Batch ID:	62913	TestNo:	SW8082			Analysis Date:	5/30/2012	SeqNo:	2167623		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	ND	1.0
Aroclor 1221	ND	1.0
Aroclor 1232	ND	1.0
Aroclor 1242	ND	1.0
Aroclor 1248	ND	1.0
Aroclor 1254	ND	1.0
Aroclor 1260	ND	1.0

Sample ID	LCS-62913-PCB	SampType:	LCS	TestCode:	PCB_SOLID	Units:	mg/Kg	Prep Date:	5/30/2012	Run ID:	GC-ECD2_120530A		
Client ID:	ZZZZZ	Batch ID:	62913	TestNo:	SW8082			Analysis Date:	5/30/2012	SeqNo:	2167624		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	12.95	1.0	10	0	130	30	150	0	0
Aroclor 1260	10.16	1.0	10	0	102	30	150	0	0

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

Prep Start Date: **5/30/2012 5:50:05 P**

Prep End Date: **6/8/2012 8:33:42 AM**

Prep Factor Units:

mL / L

Prep Batch **62930**

Prep Code: **3510\_TPH**

Technician: **VCC**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-62930-TPH			1	0	0	1	1.000	5/30/2012	5/31/2012
LCS-62930-TPH			1	0	0	1	1.000	5/30/2012	5/31/2012
LCSD-62930-TPH			1	0	0	1	1.000	5/30/2012	5/31/2012
12050662-003A	Water		0.1	0	0	1	10.000	5/30/2012	5/31/2012
12050662-006A	Water		0.1	0	0	1	10.000	5/30/2012	5/31/2012
12050662-007A	Water		0.1	0	0	1	10.000	5/30/2012	5/31/2012
12050730-001A	Water		1	0	0	1	1.000	5/30/2012	5/31/2012
12050730-002A	Water		0.5	0	0	10	20.000	5/30/2012	5/31/2012
12050730-003A	Water		1	0	0	1	1.000	5/30/2012	5/31/2012
12050730-006A	Water		0.75	0	0	100	133.333	5/30/2012	5/31/2012
12050730-007A	Water		1	0	0	1	1.000	5/30/2012	5/31/2012
12050730-008A	Water		0.82	0	0	1	1.220	5/30/2012	5/31/2012
12050730-009A	Water		1	0	0	10	10.000	5/30/2012	5/31/2012
12050730-010A	Water		1	0	0	1	1.000	5/30/2012	5/31/2012
12050730-011A	Water		0.22	0	0	1	4.545	5/30/2012	5/31/2012
12050730-013A	Water		0.15	0	0	10	66.667	5/30/2012	5/31/2012
12050730-015A	Water		0.15	0	0	1	6.667	5/30/2012	5/31/2012
12050761-002B	Water		1	0	0	1	1.000	5/31/2012	6/1/2012



**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 62930

Sample ID: MB-62930-TPH	SampType: MBLK	TestCode: TPH_W	Units: mg/L	Prep Date: 5/30/2012	Run ID: GC-FID_120531A						
Client ID: ZZZZ	Batch ID: 62930	TestNo: SW8015M		Analysis Date: 5/31/2012	SeqNo: 2169871						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (DRO)	0.04549	0.10									J
TPH (ERO)	0.01927	0.10									J*

Sample ID: <b>LCS-62930-TPH</b>	SampType: <b>LCS</b>	TestCode: <b>TPH_W</b>	Units: <b>mg/L</b>	Prep Date: <b>5/30/2012</b>	Run ID: <b>GC-FID_120531A</b>						
Client ID: <b>ZZZZ</b>	Batch ID: <b>62930</b>	TestNo: <b>SW8015M</b>		Analysis Date: <b>5/31/2012</b>	SeqNo: <b>2169872</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (DRO)	0.9799	0.10	1	0.04549	93.4	30	150	0	0		
TPH (ERO)	1.089	0.10	1	0.01927	107	30	150	0	0		*

Sample ID: <b>LCSD-62930-TPH</b>	SampType: <b>LCSD</b>	TestCode: <b>TPH_W</b>	Units: <b>mg/L</b>	Prep Date: <b>5/30/2012</b>	Run ID: <b>GC-FID_120531A</b>						
Client ID: <b>ZZZZ</b>	Batch ID: <b>62930</b>	TestNo: <b>SW8015M</b>		Analysis Date: <b>5/31/2012</b>	SeqNo: <b>2169873</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (DRO)	0.9752	0.10	1	0.04549	93	30	150	0.9799	0.482	25	
TPH (ERO)	1.088	0.10	1	0.01927	107	30	150	1.089	0.0874	25	*

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
\* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank  
E - Value above quantitation range

Prep Start Date: **6/4/2012 8:50:00 AM**

 Prep End Date: **6/4/2012 2:00:00 PM**

Prep Factor Units:

mL / mL

 Prep Batch **62998**

 Prep Code: **M\_W\_PREP**

 Technician: **FGT**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 6/4/12			50	0	0	50	1.000	6/4/2012	6/4/2012
ILCSW1 6/4/12			50	0	0	50	1.000	6/4/2012	6/4/2012
12050761-002C	Water		50	0	0	50	1.000	6/4/2012	6/4/2012
12050761-002CMS	Water		50	0	0	50	1.000	6/4/2012	6/4/2012
12050761-002CMSD	Water		50	0	0	50	1.000	6/4/2012	6/4/2012
IMBTA1 6/1/12			50	0	0	50	1.000	6/4/2012	6/4/2012
12060005-004B	Soil		50	0	0	50	1.000	6/4/2012	6/4/2012
12060005-004BMS	Soil		50	0	0	50	1.000	6/4/2012	6/4/2012
12040555-016A	Solid		50	0	0	50	1.000	6/4/2012	6/4/2012
12050742-001A	Solid		50	0	0	50	1.000	6/4/2012	6/4/2012
12050742-003A	Solid		50	0	0	50	1.000	6/4/2012	6/4/2012
12060071-001C	Water		50	0	0	50	1.000	6/4/2012	6/4/2012

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 12050761  
**Project:** 20405.016.001.1392.00, Milwaukee Die Cast

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 62998

Sample ID	IMBW1 6/4/12	SampType:	MBLK	TestCode:	M_ICPMS_W	Units:	mg/L	Prep Date:	6/4/2012	Run ID:	ICPMS-2_120604A	
Client ID:	ZZZZZ	Batch ID:	62998	TestNo:	SW6020			Analysis Date:	6/4/2012	SeqNo:	2170682	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		0.00089	0.0020									J

Sample ID	ILCSW1 6/4/12	SampType: LCS	TestCode: M_ICPMS_W Units: mg/L				Prep Date: 6/4/2012			Run ID: ICPMS-2_120604A		
Client ID:	ZZZZZ	Batch ID: 62998	TestNo: SW6020				Analysis Date: 6/4/2012			SeqNo: 2170683		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		0.5245	0.0020	0.5	0.00089	105	80	120	0	0		

Sample ID	12050761-002CMS	SampType:	MS	TestCode:	M_ICPMS_W	Units:	mg/L	Prep Date:	6/4/2012	Run ID:	ICPMS-2_120604A	
Client ID:	MDC-SWS02	Batch ID:	62998	TestNo:	SW6020			Analysis Date:	6/4/2012	SeqNo:	2170686	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		0.5302	0.0020	0.5	0.00437	105	75	125	0	0		

Sample ID	12050761-002CMSD	SampType: MSD	TestCode: M_ICPMS_W Units: mg/L				Prep Date: 6/4/2012			Run ID: ICPMS-2_120604A		
Client ID:	MDC-SWS02	Batch ID: 62998	TestNo: SW6020				Analysis Date: 6/4/2012			SeqNo: 2170687		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		0.5312	0.0020	0.5	0.00437	105	75	125	0.5302	0.188	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
\* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank  
E - Value above quantitation range

**MILWAUKEE DIE CAST SITE  
MILWAUKEE, WISCONSIN  
DATA VALIDATION REPORT, REVISION 1**

**Date:** July 20, 2012

**Laboratory:** STAT Analysis Corporation (STAT), Chicago, Illinois

**Laboratory Project #:** 11120436

**Data Validation Performed By:** Lisa Graczyk, Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START)

**Weston Analytical Work Order #/TDD #:** 20405.016.001.1473.00/S05-0005-1105-010

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for one oil sample collected for the Milwaukee Die Cast Site that was analyzed for the following parameters and U.S. Environmental Protection Agency (U.S. EPA) methods:

- Volatile Organic Compounds (VOC) by SW-846 Method 8260B
- Semivolatile Organic Compounds (SVOC) by SW-846 Method 8270C
- Polychlorinated Biphenyls (PCB) by SW-846 Method 8082
- Total Petroleum Hydrocarbons (TPH) as Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and Extended Range Organics (ERO) by SW-846 Method 8015M
- Metals by SW-846 Methods 6020 and 7471A

A level II data package was requested from STAT. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

## **VOCs BY SW-846 METHOD 8260B**

### **1. Samples**

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
SW-6-FP	11120436-001A	Oil	12/13/2011	12/20/2011

### **2. Holding Times**

The sample was analyzed within the required holding time limit of 14 days from sample collection.

### **3. Blanks**

A method blank was analyzed with the VOC analysis and was free of target compound contamination above the reporting limit.

### **4. Surrogate Results**

The surrogate recovery results were within the laboratory-established quality control (QC) limits with the exception of one surrogate which was only 2 percent above its limit. No qualification was applied for this minor discrepancy.

### **5. Laboratory Control Sample (LCS) Results**

The LCS and LCS duplicate (LCSD) recoveries were within laboratory QC limits for percent recoveries and relative percent differences (RPD).

### **6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results**

A site-specific MS and MSD were not analyzed with the samples. No qualifications were applied for this omission.

### **7. Overall Assessment**

The VOC data are acceptable for use based on the information received.

## SVOCs BY SW-846 METHOD 8270C

### 1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
SW-6-FP	11120436-001A	Oil	12/13/2011	12/14/2011	12/16/2011

### 2. Holding Times

The sample was analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

### 3. Blanks

A method blank was analyzed with the SVOC analysis and was free of target compound contamination above the reporting limit.

### 4. Surrogate Results

The surrogate recovery results were within the laboratory-established QC limits.

### 5. LCS Results

The LCS recoveries were within laboratory QC limits for percent recoveries except for as follows. One of the compounds in the LCS, 4-Chloro-3-methylphenol, was detected slightly below the QC limit. No qualification was applied for this minor discrepancy.

### 6. MS and MSD Results

A site-specific MS and MSD were not analyzed with the samples. No qualifications were applied for this omission.

### 7. Overall Assessment

The SVOC data are acceptable for use based on the information received.

## PCBs BY U.S. EPA SW-846 METHOD 8082

### 1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
SW-6-FP	11120436-001A	Oil	12/13/2011	12/14/2011	12/16/2011

### 2. Holding Times

The sample was analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

### 3. Blanks

A method blank was analyzed with the PCB analysis. The method blank was free of target compound contamination above the reporting limit.

### 4. Surrogates

The surrogates were not recovered due to a high sample dilution of 1000. No qualifications are required for this discrepancy.

### 5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

### 6. MS and MSD Results

A site-specific MS and MSD were not analyzed. No qualification required.

### 7. Overall Assessment

Sample SW-6-FP was originally reported incorrectly with a dilution factor of 1,000. The correct dilution factor was 10,000. On 7/19/2012, STAT provided WESTON with a revised report that corrected this and increased the PCB result by a factor of 10.

The PCB data are acceptable for use based on the information received.

## **TPH AS GRO, DRO, AND ERO BY U.S. EPA SW-846 METHOD 8015M**

### **1. Samples**

The following table summarizes the samples for which this data validation was conducted.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
SW-6-FP	11120436-001A	Oil	12/13/2011	12/15/2011	12/21/2011

### **2. Holding Times**

The sample was analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

### **3. Blanks**

A method blank was analyzed with the TPH analysis. The method blank was free of target compound contamination above the reporting limit. There were detections of GRO, DRO, and ERO in the method blank below the reporting limit. However, the sample results were much greater and no qualifications are required.

### **4. LCS Results**

The LCS recoveries were within the laboratory-established QC limits.

### **5. MS and MSD Results**

A site-specific MS and MSD were not analyzed. No qualification required.

### **6. Overall Assessment**

The TPH data are acceptable for use based on the information received.



## **METALS BY SW-846 METHODS 6020 AND 7471A**

### **1. Samples**

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
SW-6-FP	11120436-001A	Oil	12/13/2011	12/16/2011 – 12/20/2011

### **2. Holding Times**

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

### **3. Blank Results**

Method blanks were analyzed with the metals analyses. The blanks were free of target analyte contamination above the reporting limits. Chromium was detected below the reporting limits in the method blank. However, chromium was not detected in the sample and no qualification was required.

### **4. LCS Results**

The LCS recoveries were within the laboratory-established QC limits for target analytes.

### **5. MS and MSD Results**

A site-specific MS and MSD were not analyzed with the samples. No qualifications were applied for this omission.

### **6. Overall Assessment**

The metals data are acceptable for use based on the information received.

Data Validation Report  
Milwaukee Die Cast Site  
STAT Analysis Corporation  
Laboratory Project #: 11120436

**ATTACHMENT**

**STAT ANALYSIS CORPORATION  
RESULTS SUMMARY**

# **STAT** Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

July 19, 2012

Weston Solutions, Inc.  
322 E. Michigan  
Milwaukee, WI 53202  
Telephone: (414) 347-1697  
Fax: (414) 347-1850

RE: Milwaukee Die Casting Co., 4132 N. Holton St.

STAT Project No: 11120436

Dear Marita Stollenwerk:

STAT Analysis received 1 sample for the referenced project on 12/14/2011 6:10:00 PM. The analytical results are presented in the following report.

This report is revised to reflect changes made after the initial report was issued.

All analyses were performed in accordance with the requirements of 35 IAC part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

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**Client:** Weston Solutions, Inc.  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.  
**Lab Order:** 11120436

**Work Order Sample Summary**

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<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11120436-001A	SW-6-FP		12/13/2011 12:15:00 PM	12/14/2011

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**CLIENT:** Weston Solutions, Inc.  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.  
**Lab Order:** 11120436

---

**CASE NARRATIVE**

Sample SW-3-FP (11120436-001) had recovery of VOC surrogate 4-Bromofluorobenzene outside of control limits (112% recovery, QC Limits 63-110%). Recoveries for all other surrogates were within control limits.

Sample SW-6-FP (11120436-001) was analyzed at a 10000 fold dilution for PCB analysis, based on the expectation of Aroclors present. PCB surrogates were diluted out.

Sample 11120436-001A (SW-6-FP) was incorrectly reported with a 1:1000 dilution for PCB analysis.

Review of the raw data indicates that a 1:10000 dilution was performed.

A corrected report is attached.

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: July 19, 2012

Date Printed: July 19, 2012

Client: Weston Solutions, Inc.

Lab Order: 11120436

Project: Milwaukee Die Casting Co., 4132 N. Holton St.

Lab ID: 11120436-001

Client Sample ID: SW-6-FP

Collection Date: 12/13/2011 12:15:00 PM

Matrix: Oil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs in Oil</b>						
	<b>SW8082 (SW3580A)</b>			Prep Date: <b>12/14/2011</b> Analyst: <b>GVC</b>		
Aroclor 1016	ND	7500		mg/Kg	10000	12/16/2011
Aroclor 1221	ND	7500		mg/Kg	10000	12/16/2011
Aroclor 1232	ND	7500		mg/Kg	10000	12/16/2011
Aroclor 1242	ND	7500		mg/Kg	10000	12/16/2011
Aroclor 1248	410000	7500		mg/Kg	10000	12/16/2011
Aroclor 1254	ND	7500		mg/Kg	10000	12/16/2011
Aroclor 1260	ND	7500		mg/Kg	10000	12/16/2011
<b>Total Petroleum Hydrocarbons</b>						
	<b>SW8015M (SW3580A)</b>			Prep Date: <b>12/15/2011</b> Analyst: <b>GVC</b>		
TPH (GRO)	1600	160		mg/Kg	1	12/20/2011
TPH (DRO)	150000	1600		mg/Kg	10	12/21/2011
TPH (ERO)	320000	1600	*	mg/Kg	10	12/21/2011
<b>Mercury</b>						
	<b>SW7471A</b>			Prep Date: <b>12/19/2011</b> Analyst: <b>LB</b>		
Mercury	ND	0.018		mg/Kg	1	12/20/2011
<b>Metals by ICP/MS</b>						
	<b>SW6020 (SW3050B)</b>			Prep Date: <b>12/15/2011</b> Analyst: <b>JG</b>		
Arsenic	ND	3.1		mg/Kg	10	12/16/2011
Barium	ND	3.1		mg/Kg	10	12/16/2011
Cadmium	ND	1.6		mg/Kg	10	12/16/2011
Chromium	ND	3.1		mg/Kg	10	12/16/2011
Lead	3.1	1.6		mg/Kg	10	12/16/2011
Selenium	ND	3.1		mg/Kg	10	12/16/2011
Silver	ND	3.1		mg/Kg	10	12/16/2011
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3580A)</b>			Prep Date: <b>12/14/2011</b> Analyst: <b>DM</b>		
2-Methylnaphthalene	ND	39		mg/Kg	1	12/16/2011
Acenaphthene	42	39		mg/Kg	1	12/16/2011
Acenaphthylene	ND	39		mg/Kg	1	12/16/2011
Anthracene	ND	39		mg/Kg	1	12/16/2011
Benz(a)anthracene	ND	39		mg/Kg	1	12/16/2011
Benzo(a)pyrene	ND	39		mg/Kg	1	12/16/2011
Benzo(b)fluoranthene	ND	39		mg/Kg	1	12/16/2011
Benzo(g,h,i)perylene	ND	39		mg/Kg	1	12/16/2011
Benzo(k)fluoranthene	ND	39		mg/Kg	1	12/16/2011
Chrysene	ND	39		mg/Kg	1	12/16/2011
Dibenz(a,h)anthracene	ND	39		mg/Kg	1	12/16/2011
Fluoranthene	ND	39		mg/Kg	1	12/16/2011
Fluorene	ND	39		mg/Kg	1	12/16/2011
Indeno(1,2,3-cd)pyrene	ND	39		mg/Kg	1	12/16/2011

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: July 19, 2012

Date Printed: July 19, 2012

Client: Weston Solutions, Inc.

Lab Order: 11120436

Project: Milwaukee Die Casting Co., 4132 N. Holton St.

Lab ID: 11120436-001

Client Sample ID: SW-6-FP

Collection Date: 12/13/2011 12:15:00 PM

Matrix: Oil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3580A)</b>				Prep Date: 12/14/2011	Analyst: DM
Naphthalene	ND	39		mg/Kg	1	12/16/2011
Phenanthrene	ND	39		mg/Kg	1	12/16/2011
Pyrene	ND	39		mg/Kg	1	12/16/2011
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW8260B</b>				Prep Date: 12/20/2011	Analyst: ART
Acetone	ND	7.8		mg/Kg	50	12/20/2011
Benzene	ND	0.52		mg/Kg	50	12/20/2011
Bromodichloromethane	ND	0.52		mg/Kg	50	12/20/2011
Bromoform	ND	0.52		mg/Kg	50	12/20/2011
Bromomethane	ND	1		mg/Kg	50	12/20/2011
2-Butanone	ND	7.8		mg/Kg	50	12/20/2011
Carbon disulfide	ND	5.2		mg/Kg	50	12/20/2011
Carbon tetrachloride	ND	0.52		mg/Kg	50	12/20/2011
Chlorobenzene	ND	0.52		mg/Kg	50	12/20/2011
Chloroethane	ND	1		mg/Kg	50	12/20/2011
Chloroform	ND	0.52		mg/Kg	50	12/20/2011
Chloromethane	ND	1		mg/Kg	50	12/20/2011
Dibromochloromethane	ND	0.52		mg/Kg	50	12/20/2011
1,1-Dichloroethane	ND	0.52		mg/Kg	50	12/20/2011
1,2-Dichloroethane	ND	0.52		mg/Kg	50	12/20/2011
1,1-Dichloroethene	ND	0.52		mg/Kg	50	12/20/2011
cis-1,2-Dichloroethene	7.3	0.52		mg/Kg	50	12/20/2011
trans-1,2-Dichloroethene	ND	0.52		mg/Kg	50	12/20/2011
1,2-Dichloropropane	ND	0.52		mg/Kg	50	12/20/2011
cis-1,3-Dichloropropene	ND	0.21		mg/Kg	50	12/20/2011
trans-1,3-Dichloropropene	ND	0.21		mg/Kg	50	12/20/2011
Ethylbenzene	ND	0.52		mg/Kg	50	12/20/2011
2-Hexanone	ND	2.1		mg/Kg	50	12/20/2011
4-Methyl-2-pentanone	ND	2.1		mg/Kg	50	12/20/2011
Methylene chloride	ND	1		mg/Kg	50	12/20/2011
Methyl tert-butyl ether	ND	0.52		mg/Kg	50	12/20/2011
Styrene	ND	0.52		mg/Kg	50	12/20/2011
1,1,2,2-Tetrachloroethane	ND	0.52		mg/Kg	50	12/20/2011
Tetrachloroethene	2.9	0.52		mg/Kg	50	12/20/2011
Toluene	ND	0.52		mg/Kg	50	12/20/2011
1,1,1-Trichloroethane	ND	0.52		mg/Kg	50	12/20/2011
1,1,2-Trichloroethane	ND	0.52		mg/Kg	50	12/20/2011
Trichloroethene	7	0.52		mg/Kg	50	12/20/2011
Vinyl chloride	ND	0.52		mg/Kg	50	12/20/2011

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

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R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Date Reported: July 19, 2012

Date Printed: July 19, 2012

Client: Weston Solutions, Inc.

Lab Order: 11120436

Project: Milwaukee Die Casting Co., 4132 N. Holton St.

Lab ID: 11120436-001

Client Sample ID: SW-6-FP

Collection Date: 12/13/2011 12:15:00 PM

Matrix: Oil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW8260B</b>				Prep Date: <b>12/20/2011</b>	Analyst: <b>ART</b>
Xylenes, Total	ND	1.6		mg/Kg	50	12/20/2011

**Qualifiers:**

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J - Analyte detected below quantitation limits  
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HT - Sample received past holding time  
\* - Non-accredited parameter

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July 19, 2012

Weston Solutions, Inc.  
322 E. Michigan  
Milwaukee, WI 53202  
Telephone: (414) 347-1697  
Fax: (414) 347-1850

RE: Milwaukee Die Casting Co., 4132 N. Holton St.

STAT Project No: 11120436

Dear Marita Stollenwerk:

STAT Analysis received 1 sample for the referenced project on 12/14/2011 6:10:00 PM. The analytical results are presented in the following report.

This report is revised to reflect changes made after the initial report was issued.

All analyses were performed in accordance with the requirements of 35 IAC part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

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**Client:** Weston Solutions, Inc.  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.  
**Lab Order:** 11120436

**Work Order Sample Summary**

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<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11120436-001A	SW-6-FP		12/13/2011 12:15:00 PM	12/14/2011

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**CLIENT:** Weston Solutions, Inc.  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.  
**Lab Order:** 11120436

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**CASE NARRATIVE**

Sample SW-3-FP (11120436-001) had recovery of VOC surrogate 4-Bromofluorobenzene outside of control limits (112% recovery, QC Limits 63-110%). Recoveries for all other surrogates were within control limits.

Sample SW-6-FP (11120436-001) was analyzed at a 10000 fold dilution for PCB analysis, based on the expectation of Aroclors present. PCB surrogates were diluted out.

Sample 11120436-001A (SW-6-FP) was incorrectly reported with a 1:1000 dilution for PCB analysis.

Review of the raw data indicates that a 1:10000 dilution was performed.

A corrected report is attached.

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Date Reported: July 19, 2012

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Client: Weston Solutions, Inc.

Lab Order: 11120436

Project: Milwaukee Die Casting Co., 4132 N. Holton St.

Lab ID: 11120436-001

Client Sample ID: SW-6-FP

Collection Date: 12/13/2011 12:15:00 PM

Matrix: Oil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs in Oil</b>						
	<b>SW8082 (SW3580A)</b>			Prep Date: <b>12/14/2011</b>		Analyst: <b>GVC</b>
Aroclor 1016	ND	7500		mg/Kg	10000	12/16/2011
Aroclor 1221	ND	7500		mg/Kg	10000	12/16/2011
Aroclor 1232	ND	7500		mg/Kg	10000	12/16/2011
Aroclor 1242	ND	7500		mg/Kg	10000	12/16/2011
Aroclor 1248	410000	7500		mg/Kg	10000	12/16/2011
Aroclor 1254	ND	7500		mg/Kg	10000	12/16/2011
Aroclor 1260	ND	7500		mg/Kg	10000	12/16/2011
<b>Total Petroleum Hydrocarbons</b>						
	<b>SW8015M (SW3580A)</b>			Prep Date: <b>12/15/2011</b>		Analyst: <b>GVC</b>
TPH (GRO)	1600	160		mg/Kg	1	12/20/2011
TPH (DRO)	150000	1600		mg/Kg	10	12/21/2011
TPH (ERO)	320000	1600	*	mg/Kg	10	12/21/2011
<b>Mercury</b>						
	<b>SW7471A</b>			Prep Date: <b>12/19/2011</b>		Analyst: <b>LB</b>
Mercury	ND	0.018		mg/Kg	1	12/20/2011
<b>Metals by ICP/MS</b>						
	<b>SW6020 (SW3050B)</b>			Prep Date: <b>12/15/2011</b>		Analyst: <b>JG</b>
Arsenic	ND	3.1		mg/Kg	10	12/16/2011
Barium	ND	3.1		mg/Kg	10	12/16/2011
Cadmium	ND	1.6		mg/Kg	10	12/16/2011
Chromium	ND	3.1		mg/Kg	10	12/16/2011
Lead	3.1	1.6		mg/Kg	10	12/16/2011
Selenium	ND	3.1		mg/Kg	10	12/16/2011
Silver	ND	3.1		mg/Kg	10	12/16/2011
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3580A)</b>			Prep Date: <b>12/14/2011</b>		Analyst: <b>DM</b>
2-Methylnaphthalene	ND	39		mg/Kg	1	12/16/2011
Acenaphthene	42	39		mg/Kg	1	12/16/2011
Acenaphthylene	ND	39		mg/Kg	1	12/16/2011
Anthracene	ND	39		mg/Kg	1	12/16/2011
Benz(a)anthracene	ND	39		mg/Kg	1	12/16/2011
Benzo(a)pyrene	ND	39		mg/Kg	1	12/16/2011
Benzo(b)fluoranthene	ND	39		mg/Kg	1	12/16/2011
Benzo(g,h,i)perylene	ND	39		mg/Kg	1	12/16/2011
Benzo(k)fluoranthene	ND	39		mg/Kg	1	12/16/2011
Chrysene	ND	39		mg/Kg	1	12/16/2011
Dibenz(a,h)anthracene	ND	39		mg/Kg	1	12/16/2011
Fluoranthene	ND	39		mg/Kg	1	12/16/2011
Fluorene	ND	39		mg/Kg	1	12/16/2011
Indeno(1,2,3-cd)pyrene	ND	39		mg/Kg	1	12/16/2011

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Date Reported: July 19, 2012

Date Printed: July 19, 2012

Client: Weston Solutions, Inc.

Lab Order: 11120436

Project: Milwaukee Die Casting Co., 4132 N. Holton St.

Lab ID: 11120436-001

Client Sample ID: SW-6-FP

Collection Date: 12/13/2011 12:15:00 PM

Matrix: Oil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3580A)</b>				Prep Date: 12/14/2011	Analyst: DM
Naphthalene	ND	39		mg/Kg	1	12/16/2011
Phenanthrene	ND	39		mg/Kg	1	12/16/2011
Pyrene	ND	39		mg/Kg	1	12/16/2011
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW8260B</b>				Prep Date: 12/20/2011	Analyst: ART
Acetone	ND	7.8		mg/Kg	50	12/20/2011
Benzene	ND	0.52		mg/Kg	50	12/20/2011
Bromodichloromethane	ND	0.52		mg/Kg	50	12/20/2011
Bromoform	ND	0.52		mg/Kg	50	12/20/2011
Bromomethane	ND	1		mg/Kg	50	12/20/2011
2-Butanone	ND	7.8		mg/Kg	50	12/20/2011
Carbon disulfide	ND	5.2		mg/Kg	50	12/20/2011
Carbon tetrachloride	ND	0.52		mg/Kg	50	12/20/2011
Chlorobenzene	ND	0.52		mg/Kg	50	12/20/2011
Chloroethane	ND	1		mg/Kg	50	12/20/2011
Chloroform	ND	0.52		mg/Kg	50	12/20/2011
Chloromethane	ND	1		mg/Kg	50	12/20/2011
Dibromochloromethane	ND	0.52		mg/Kg	50	12/20/2011
1,1-Dichloroethane	ND	0.52		mg/Kg	50	12/20/2011
1,2-Dichloroethane	ND	0.52		mg/Kg	50	12/20/2011
1,1-Dichloroethene	ND	0.52		mg/Kg	50	12/20/2011
cis-1,2-Dichloroethene	7.3	0.52		mg/Kg	50	12/20/2011
trans-1,2-Dichloroethene	ND	0.52		mg/Kg	50	12/20/2011
1,2-Dichloropropane	ND	0.52		mg/Kg	50	12/20/2011
cis-1,3-Dichloropropene	ND	0.21		mg/Kg	50	12/20/2011
trans-1,3-Dichloropropene	ND	0.21		mg/Kg	50	12/20/2011
Ethylbenzene	ND	0.52		mg/Kg	50	12/20/2011
2-Hexanone	ND	2.1		mg/Kg	50	12/20/2011
4-Methyl-2-pentanone	ND	2.1		mg/Kg	50	12/20/2011
Methylene chloride	ND	1		mg/Kg	50	12/20/2011
Methyl tert-butyl ether	ND	0.52		mg/Kg	50	12/20/2011
Styrene	ND	0.52		mg/Kg	50	12/20/2011
1,1,2,2-Tetrachloroethane	ND	0.52		mg/Kg	50	12/20/2011
Tetrachloroethene	2.9	0.52		mg/Kg	50	12/20/2011
Toluene	ND	0.52		mg/Kg	50	12/20/2011
1,1,1-Trichloroethane	ND	0.52		mg/Kg	50	12/20/2011
1,1,2-Trichloroethane	ND	0.52		mg/Kg	50	12/20/2011
Trichloroethene	7	0.52		mg/Kg	50	12/20/2011
Vinyl chloride	ND	0.52		mg/Kg	50	12/20/2011

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Client: Weston Solutions, Inc.

Lab Order: 11120436

Project: Milwaukee Die Casting Co., 4132 N. Holton St.

Lab ID: 11120436-001

Client Sample ID: SW-6-FP

Collection Date: 12/13/2011 12:15:00 PM

Matrix: Oil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW8260B</b>				Prep Date: <b>12/20/2011</b>	Analyst: <b>ART</b>
Xylenes, Total	ND	1.6		mg/Kg	50	12/20/2011

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

11120436

# Chain of Custody Record

## Form 4100-145 (R 3/09)

<b>Sample Collector(s) Name</b> ANDY BOETICHER		<b>Return Report As:</b> (select one) <input checked="" type="checkbox"/> Email <input type="checkbox"/> Hard Copy		<b>Email or Postal Address</b> M.Stollenwerk Awenton Solutions, Com		<b>Phone Number (include area code)</b> 414-263-8541	
<b>Property Owner</b> MILWAUKEE DIE CASTING CO., INC.		<b>Property Address</b> 4132 N. HOLTON ST., MILWAUKEE, WI		<b>Phone Number (include area code)</b> 414-347-1697 x1309		<b>Other Comments</b>	
<b>Split Samples:</b> Offered? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Accepted? <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Accepted By (Signature):</b>		<b>Maria Stollenwerk</b>			

Field ID No.	Date	Time	No. of Containers	Station Location Sample Description	Lab ID Number	Lab Use Only		
						Cracked / Broken	Improperly Sealed	Good Condition
SW-6-FP	12/13/11	12:15	3-14 Ambers 827OC	Analyzed for PHAs (827OC)	001		X	2.40C
				Fil DIBS (8082)				
				Metals (602D/7470A)				
				VOCs (8260B)				
				TPH AS GRD ROAD (8015M)				
				Please hold one Liter for future analysis				

<b>Method of Shipment:</b> <input checked="" type="checkbox"/> Staff <input type="checkbox"/> U.S. Postal Service <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other-specify: _____		<b>Reason for Sample Collection:</b> <input type="checkbox"/> Anhydrous Ammonia Spill <input type="checkbox"/> Animal Waste <input type="checkbox"/> Open Burning <input type="checkbox"/> Dairy Product Spill <input type="checkbox"/> Construction/Storm Water Runoff <input checked="" type="checkbox"/> * Contact the laboratory with product information and for consultation. Also, include sample of suspected spilled product.		<b>Pesticide Spill * - Specify Pesticide:</b> <input type="checkbox"/> <b>Hazardous Waste Release *</b> <input type="checkbox"/> <b>Petroleum Product Release * - Specify Product:</b> <input checked="" type="checkbox"/> Industrial Spill/Runoff * - Specify Industry Type: <input type="checkbox"/> Other - Specify: _____		<b>Was the sample shipping container sealed on receipt?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	
--	--	--	--	---	--	--	--

I hereby certify that I received and properly handled these samples as noted below:

<b>Relinquished By (Signature)</b> <i>[Signature]</i>	<b>Date / Time</b> 12/14/11 12:05p	<b>Received By (Signature)</b> <i>[Signature]</i>	<b>Date / Time</b> 12/14/11 12:00pm
<b>Relinquished By (Signature)</b> <i>[Signature]</i>	<b>Date / Time</b> 12/14/11 11:00	<b>Received By (Signature)</b> <i>[Signature]</i>	<b>Date / Time</b> 12-14-11 4:10
<b>Relinquished By (Signature)</b> <i>[Signature]</i>	<b>Date / Time</b> 12-14-11 8:10	<b>Received for Laboratory By (Signature)</b> <i>[Signature]</i>	<b>Date / Time</b> 12/14/11 18:00

**Disposition of Unused Portion Sample:**  
☐ Dispose    ☐ Return    ☒ Retain until further notice    ☐ Other

**\* If you need additional room for notes, use the back of this form.**

### Sample Receipt Checklist

Client Name WESTON MILWAUKEE

Date and Time Received: 12/14/2011 6:10:00 PM

Work Order Number 11120436

Received by: JJM

Checklist completed by:

*[Signature]* 12/14/11  
Signature Date

Reviewed by:

*[Signature]* 12/21/11  
Initials Date

Matrix:

Carrier name STAT Analysis

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature 2.4 °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Client / Person  
contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.  
**Test No:** SW8260B **Matrix:** S

## QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK122011-1	107	92.3	86.8	97.4				
VLCS122011-1	109	94.9	87.9	88.7				
VLCS122011-1	109	94.4	87.7	94.5				
11120436-001A:50	112 *	92.0	86.8	98.2				

**Acronym****Surrogate****QC Limits**

BR4FBZ	=	4-Bromofluorobenzene	63-110
BZMED8	=	Toluene-d8	85-110
DBFM	=	Dibromofluoromethane	83-119
DCA12D4	=	1,2-Dichloroethane-d4	84-129

\* Surrogate recovery outside acceptance limits

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R77261

Sample ID: <b>VBLK122011-1</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC_ENC</b>	Units: <b>mg/Kg</b>	Prep Date:	Run ID: <b>VOA-1_111220A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R77261</b>	TestNo: <b>SW5035/8260</b>		Analysis Date: <b>12/20/2011</b>	SeqNo: <b>2074852</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.075									
2-Hexanone	ND	0.020									
4-Methyl-2-pentanone	ND	0.020									
Acetone	ND	0.075									
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	0.00092	0.010									J
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0020									
Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
Methyl tert-butyl ether	ND	0.0050									
Methylene chloride	0.0014	0.010									J
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
\* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank  
E - Value above quantitation range

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.

## ANALYTICAL QC SUMMARY REPORT

**BatchID: R77261**

Sample ID: <b>VBLK122011-1</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC_ENCOR</b>	Units: <b>mg/Kg</b>	Prep Date:	Run ID: <b>VOA-1_111220A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R77261</b>	TestNo: <b>SW5035/8260</b>	Analysis Date: <b>12/20/2011</b>	SeqNo: <b>2074852</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	ND	0.0020									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID: <b>VLCS122011-1</b>	SampType: <b>LCS</b>	TestCode: <b>VOC_ENC</b>	Units: <b>mg/Kg</b>	Prep Date:				Run ID: <b>VOA-1_111220A</b>			
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R77261</b>	TestNo: <b>SW5035/8260</b>		Analysis Date: <b>12/20/2011</b>				SeqNo: <b>2074853</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.04831	0.0050	0.05	0	96.6	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.04376	0.0050	0.05	0	87.5	70	130	0	0		
1,1,2-Trichloroethane	0.04392	0.0050	0.05	0	87.8	70	130	0	0		
1,1-Dichloroethane	0.03916	0.0050	0.05	0	78.3	70	130	0	0		
1,1-Dichloroethene	0.04037	0.0050	0.05	0	80.7	70	130	0	0		
1,2-Dichloroethane	0.04313	0.0050	0.05	0	86.3	70	130	0	0		
1,2-Dichloropropane	0.04277	0.0050	0.05	0	85.5	70	130	0	0		
2-Butanone	0.07043	0.075	0.1	0	70.4	70	130	0	0		J
2-Hexanone	0.08811	0.020	0.1	0	88.1	70	130	0	0		
4-Methyl-2-pentanone	0.07669	0.020	0.1	0	76.7	70	130	0	0		
Acetone	0.0703	0.075	0.1	0	70.3	50	150	0	0		J
Benzene	0.04448	0.0050	0.05	0	89	70	130	0	0		
Bromodichloromethane	0.04587	0.0050	0.05	0	91.7	70	130	0	0		
Bromoform	0.05371	0.0050	0.05	0	107	70	130	0	0		
Bromomethane	0.0407	0.010	0.05	0	81.4	70	130	0	0		
Carbon disulfide	0.08067	0.050	0.1	0	80.7	70	130	0	0		
Carbon tetrachloride	0.04854	0.0050	0.05	0	97.1	70	130	0	0		
Chlorobenzene	0.05256	0.0050	0.05	0	105	70	130	0	0		
Chloroethane	0.0457	0.010	0.05	0	91.4	70	130	0	0		
Chloroform	0.04213	0.0050	0.05	0	84.3	70	130	0	0		
Chloromethane	0.03752	0.010	0.05	0.00092	73.2	70	130	0	0		
cis-1,2-Dichloroethene	0.04131	0.0050	0.05	0	82.6	70	130	0	0		

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit
	J - Analyte detected below quantitation limits
	* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank  
E - Value above quantitation range

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R77261

Sample ID: <b>VLCS122011-1</b>	SampType: <b>LCS</b>	TestCode: <b>VOC_ENCORG</b>	Units: <b>mg/Kg</b>	Prep Date:	Run ID: <b>VOA-1_111220A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R77261</b>	TestNo: <b>SW5035/8260</b>		Analysis Date: <b>12/20/2011</b>	SeqNo: <b>2074853</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

cis-1,3-Dichloropropene	0.04805	0.0020	0.05	0	96.1	70	130	0	0		
Dibromochloromethane	0.05297	0.0050	0.05	0	106	70	130	0	0		
Ethylbenzene	0.05701	0.0050	0.05	0	114	70	130	0	0		
Methyl tert-butyl ether	0.04345	0.0050	0.05	0	86.9	70	130	0	0		
Methylene chloride	0.04274	0.010	0.05	0.0014	82.7	70	130	0	0		
Styrene	0.05338	0.0050	0.05	0	107	70	130	0	0		
Tetrachloroethene	0.05726	0.0050	0.05	0	115	70	130	0	0		
Toluene	0.0479	0.0050	0.05	0	95.8	70	130	0	0		
trans-1,2-Dichloroethene	0.0408	0.0050	0.05	0	81.6	70	130	0	0		
trans-1,3-Dichloropropene	0.05709	0.0020	0.05	0	114	70	130	0	0		
Trichloroethene	0.04735	0.0050	0.05	0	94.7	70	130	0	0		
Vinyl chloride	0.03537	0.0050	0.05	0	70.7	70	130	0	0		
Xylenes, Total	0.1716	0.015	0.15	0	114	70	130	0	0		

Sample ID: <b>VLCS</b> <b>D122011-1</b>	SampType: <b>LCS</b> <b>D</b>	TestCode: <b>VOC_ENC</b> <b>OR</b>	Units: <b>mg/Kg</b>	Prep Date:	Run ID: <b>VOA-1_111220A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R77261</b>	TestNo: <b>SW5035/8260</b>		Analysis Date: <b>12/20/2011</b>	SeqNo: <b>2074854</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	0.04597	0.0050	0.05	0	91.9	70	130	0.04831	4.96	20	
1,1,2,2-Tetrachloroethane	0.04557	0.0050	0.05	0	91.1	70	130	0.04376	4.05	20	
1,1,2-Trichloroethane	0.04429	0.0050	0.05	0	88.6	70	130	0.04392	0.839	20	
1,1-Dichloroethane	0.0403	0.0050	0.05	0	80.6	70	130	0.03916	2.87	20	
1,1-Dichloroethene	0.04111	0.0050	0.05	0	82.2	70	130	0.04037	1.82	20	
1,2-Dichloroethane	0.04268	0.0050	0.05	0	85.4	70	130	0.04313	1.05	20	
1,2-Dichloropropane	0.04245	0.0050	0.05	0	84.9	70	130	0.04277	0.751	20	
2-Butanone	0.07909	0.075	0.1	0	79.1	70	130	0.07043	11.6	20	
2-Hexanone	0.09303	0.020	0.1	0	93	70	130	0.08811	5.43	20	
4-Methyl-2-pentanone	0.08183	0.020	0.1	0	81.8	70	130	0.07669	6.48	20	
Acetone	0.07474	0.075	0.1	0	74.7	50	150	0.0703	0	20	J
Benzene	0.04359	0.0050	0.05	0	87.2	70	130	0.04448	2.02	20	
Bromodichloromethane	0.04541	0.0050	0.05	0	90.8	70	130	0.04587	1.01	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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\* - Non Accredited Parameter

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R - RPD outside accepted recovery limits  
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank  
E - Value above quantitation range

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R77261

Sample ID: <b>VLCS122011-1</b>		SampType: <b>LCSD</b>		TestCode: <b>VOC_ENC</b>		Units: <b>mg/Kg</b>		Prep Date:		Run ID: <b>VOA-1_111220A</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>R77261</b>		TestNo: <b>SW5035/8260</b>		Analysis Date: <b>12/20/2011</b>		SeqNo: <b>2074854</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	0.05494	0.0050	0.05	0	110	70	130	0.05371	2.26	20	
Bromomethane	0.04591	0.010	0.05	0	91.8	70	130	0.0407	12.0	20	
Carbon disulfide	0.08053	0.050	0.1	0	80.5	70	130	0.08067	0.174	20	
Carbon tetrachloride	0.04567	0.0050	0.05	0	91.3	70	130	0.04854	6.09	20	
Chlorobenzene	0.05253	0.0050	0.05	0	105	70	130	0.05256	0.0571	20	
Chloroethane	0.04126	0.010	0.05	0	82.5	70	130	0.0457	10.2	20	
Chloroform	0.04108	0.0050	0.05	0	82.2	70	130	0.04213	2.52	20	
Chloromethane	0.0381	0.010	0.05	0.00092	74.4	70	130	0.03752	1.53	20	
cis-1,2-Dichloroethene	0.04353	0.0050	0.05	0	87.1	70	130	0.04131	5.23	20	
cis-1,3-Dichloropropene	0.04878	0.0020	0.05	0	97.6	70	130	0.04805	1.51	20	
Dibromochloromethane	0.05527	0.0050	0.05	0	111	70	130	0.05297	4.25	20	
Ethylbenzene	0.05634	0.0050	0.05	0	113	70	130	0.05701	1.18	20	
Methyl tert-butyl ether	0.04743	0.0050	0.05	0	94.9	70	130	0.04345	8.76	20	
Methylene chloride	0.04284	0.010	0.05	0.0014	82.9	70	130	0.04274	0.234	20	
Styrene	0.0517	0.0050	0.05	0	103	70	130	0.05338	3.20	20	
Tetrachloroethene	0.05703	0.0050	0.05	0	114	70	130	0.05726	0.402	20	
Toluene	0.04667	0.0050	0.05	0	93.3	70	130	0.0479	2.60	20	
trans-1,2-Dichloroethene	0.04284	0.0050	0.05	0	85.7	70	130	0.0408	4.88	20	
trans-1,3-Dichloropropene	0.05858	0.0020	0.05	0	117	70	130	0.05709	2.58	20	
Trichloroethene	0.04641	0.0050	0.05	0	92.8	70	130	0.04735	2.01	20	
Vinyl chloride	0.03566	0.0050	0.05	0	71.3	70	130	0.03537	0.817	20	
Xylenes, Total	0.1697	0.015	0.15	0	113	70	130	0.1716	1.12	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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\* - Non Accredited Parameter

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R - RPD outside accepted recovery limits  
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank  
E - Value above quantitation range

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.  
**Test No:** SW8270C **Matrix:** O

## QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
11120436-001A	99.6	101	109	89.8	100	109	93.2	22.1
MB-60310-SVOC	106	105	106	134 *	164 *	105	112	93.7
LCS-60310-SVOC	105	102	112	132 *	155 *	101	113	81.7
11120175-001AMS	87.9	88.5	91.5	108	141 *	84.5	94.0	70.3
11120175-001AMSD	86.6	88.1	89.2	110	129 *	82.1	92.6	69.8

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

\* Surrogate recovery outside acceptance limits

Prep Start Date: **12/13/2011 6:55:46**

 Prep End Date: **12/19/2011 3:20:26**

Prep Factor Units:

mL / Kg

 Prep Batch **60310**    Prep Code: **3580\_SVOC**    Technician: **PDL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-60310-SVOC			0.001	0	0	10	10000.000	12/13/2011	12/13/2011
LCS-60310-SVOC			0.001	0	0	10	10000.000	12/13/2011	12/13/2011
11120175-001AMS	Liquid		0.00108	0	0	10	9259.259	12/13/2011	12/13/2011
11120175-001AMSD	Liquid		0.0011	0	0	10	9090.909	12/13/2011	12/13/2011
11120175-001A	Liquid		0.00106	0	0	10	9433.962	12/13/2011	12/13/2011
11120175-002A	Liquid		0.00104	0	0	10	9615.385	12/13/2011	12/13/2011
11120175-003A	Liquid		0.00102	0	0	10	9803.922	12/13/2011	12/13/2011
11120175-004A	Liquid		0.00101	0	0	10	9900.990	12/13/2011	12/13/2011
11120175-005A	Liquid		0.00104	0	0	10	9615.385	12/13/2011	12/13/2011
11120175-006A	Liquid		0.00106	0	0	10	9433.962	12/13/2011	12/13/2011
11120395-008A	Organic Liquid		0.00106	0	0	10	9433.962	12/13/2011	12/13/2011
11120436-001A	Oil		0.00129	0	0	10	7751.938	12/14/2011	12/15/2011

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 60310

Sample ID: <b>MB-60310-SVOC</b>	SampType: <b>MBLK</b>	TestCode: <b>SVOC_OIL</b>	Units: <b>mg/Kg</b>	Prep Date: <b>12/13/2011</b>	Run ID: <b>SVOC-6_111214A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60310</b>	TestNo: <b>SW8270C</b>		Analysis Date: <b>12/14/2011</b>	SeqNo: <b>2070901</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Methylnaphthalene  
 Acenaphthene  
 Acenaphthylene  
 Anthracene  
 Benz(a)anthracene  
 Benzo(a)pyrene  
 Benzo(b)fluoranthene  
 Benzo(g,h,i)perylene  
 Benzo(k)fluoranthene  
 Chrysene  
 Dibenz(a,h)anthracene  
 Fluoranthene  
 Fluorene  
 Indeno(1,2,3-cd)pyrene  
 Naphthalene  
 Phenanthrene  
 Pyrene

ND  
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Sample ID: <b>LCS-60310-SVOC</b>	SampType: <b>LCS</b>	TestCode: <b>SVOC_OIL</b>	Units: <b>mg/Kg</b>	Prep Date: <b>12/13/2011</b>	Run ID: <b>SVOC-6_111214A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60310</b>	TestNo: <b>SW8270C</b>		Analysis Date: <b>12/14/2011</b>	SeqNo: <b>2071064</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene  
 1,4-Dichlorobenzene  
 2,4-Dinitrotoluene  
 2-Chlorophenol  
 4-Chloro-3-methylphenol  
 4-Nitrophenol  
 Acenaphthene  
 N-Nitrosodi-n-propylamine  
 Pentachlorophenol

327.6  
 367.4  
 367  
 763.1  
 599.4  
 691.3  
 377.6  
 407.8  
 552.5

50  
 50  
 50  
 50  
 50  
 100  
 50  
 50  
 100

500  
 500  
 500  
 1000  
 1000  
 1000  
 500  
 500  
 1000

0  
 0  
 0  
 0  
 0  
 0  
 0  
 0  
 0

65.5  
 73.5  
 73.4  
 76.3  
 59.9  
 69.1  
 75.5  
 81.6  
 55.2

50  
 50  
 55  
 61  
 62  
 53  
 65  
 55  
 40

106  
 90  
 101  
 91  
 100  
 123  
 101  
 100  
 120

0  
 0  
 0  
 0  
 0  
 0  
 0  
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 0

0  
 0  
 0  
 0  
 0  
 0  
 0  
 0  
 0

S

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 \* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank  
 E - Value above quantitation range



**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 60310

Sample ID: <b>LCS-60310-SVOC</b>	SampType: <b>LCS</b>	TestCode: <b>SVOC_OIL</b>	Units: <b>mg/Kg</b>	Prep Date: <b>12/13/2011</b>	Run ID: <b>SVOC-6_111214A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60310</b>	TestNo: <b>SW8270C</b>		Analysis Date: <b>12/14/2011</b>	SeqNo: <b>2071064</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	739.3	50	1000	0	73.9	60	91	0	0		
Pyrene	511.4	50	500	0	102	50	131	0	0		

Sample ID: <b>11120175-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>SVOC_OIL</b>	Units: <b>mg/Kg</b>	Prep Date: <b>12/13/2011</b>	Run ID: <b>SVOC-6_111214A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60310</b>	TestNo: <b>SW8270C</b>		Analysis Date: <b>12/14/2011</b>	SeqNo: <b>2071068</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	267.4	46	463	0	57.8	50	106	0	0		
1,4-Dichlorobenzene	304.9	46	463	0	65.9	50	90	0	0		
2,4-Dinitrotoluene	344.4	46	463	0	74.4	55	101	0	0		
2-Chlorophenol	613.3	46	925.9	0	66.2	61	91	0	0		
4-Chloro-3-methylphenol	459.2	46	925.9	0	49.6	62	100	0	0		S
4-Nitrophenol	628.5	93	925.9	0	67.9	53	123	0	0		
Acenaphthene	319.9	46	463	0	69.1	65	101	0	0		
N-Nitrosodi-n-propylamine	308.7	46	463	0	66.7	55	100	0	0		
Pentachlorophenol	412.7	93	925.9	0	44.6	40	120	0	0		
Phenol	579	46	925.9	0	62.5	60	91	0	0		
Pyrene	413	46	463	0	89.2	50	131	0	0		

Sample ID: 11120175-001AMSD	SampType: MSD	TestCode: SVOC_OIL	Units: mg/Kg	Prep Date: 12/13/2011	Run ID: SVOC-6_111214A						
Client ID: ZZZZZ	Batch ID: 60310	TestNo: SW8270C		Analysis Date: 12/14/2011	SeqNo: 2071069						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	255.9	45	454.5	0	56.3	50	106	267.4	4.39	23	
1,4-Dichlorobenzene	300.4	45	454.5	0	66.1	50	90	304.9	1.50	27	
2,4-Dinitrotoluene	350.3	45	454.5	0	77.1	55	101	344.4	1.70	47	
2-Chlorophenol	597.4	45	909.1	0	65.7	61	91	613.3	2.64	50	
4-Chloro-3-methylphenol	446	45	909.1	0	49.1	62	100	459.2	2.91	33	S
4-Nitrophenol	664.8	91	909.1	0	73.1	53	123	628.5	5.61	50	
Acenaphthene	311	45	454.5	0	68.4	65	101	319.9	2.82	19	
N-Nitrosodi-n-propylamine	290.3	45	454.5	0	63.9	55	100	308.7	6.15	38	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 60310

Sample ID: <b>11120175-001AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>SVOC_OIL</b>		Units: <b>mg/Kg</b>		Prep Date: <b>12/13/2011</b>		Run ID: <b>SVOC-6_111214A</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>60310</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>12/14/2011</b>		SeqNo: <b>2071069</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	408.8	91	909.1	0	45	40	120	412.7	0.941	47	
Phenol	545.5	45	909.1	0	60	60	91	579	5.95	35	
Pyrene	404.6	45	454.5	0	89	50	131	413	2.04	36	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank  
E - Value above quantitation range

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.  
**Test No:** SW8082 **Matrix:** o

**QC SUMMARY REPORT  
SURROGATE RECOVERIES**

**Sample ID** **CL10BZ2** **XYL2456CLM**

MB-60311-PCB	145	140						
LCS-60311-PCB	170 *	150						
11120399-001AMS	120	60.0						
11120399-001AMSD	110	60.0						
11120436-001A:10000	0 *	0 *						

**Acronym**

**Surrogate**

**QC Limits**

CL10BZ2

= Decachlorobiphenyl

30-150

XYL2456CLM

= Tetrachloro-m-xylene

30-150

**\* Surrogate recovery outside acceptance limits**

Prep Start Date: **12/13/2011 7:02:18**

 Prep End Date: **12/15/2011 5:51:07**

Prep Factor Units:

**mL / Kg**

 Prep Batch **60311**

 Prep Code: **3580\_P**

 Technician: **PDL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-60311-PCB			0.001	0	0	10	10000.000	12/13/2011	12/13/2011
LCS-60311-PCB			0.001	0	0	10	10000.000	12/13/2011	12/13/2011
11120399-001AMS	Oil		0.00105	0	0	10	9523.810	12/13/2011	12/13/2011
11120399-001AMSD	Oil		0.00102	0	0	10	9803.922	12/13/2011	12/13/2011
11120399-001A	Oil		0.00101	0	0	10	9900.990	12/13/2011	12/13/2011
11120429-001A	Oil		0.00109	0	0	10	9174.312	12/14/2011	12/14/2011
11120322-003A	Liquid		0.00102	0	0	10	9803.922	12/14/2011	12/15/2011
11120436-001A	Oil		0.00133	0	0	10	7518.797	12/14/2011	12/15/2011

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 60311

Sample ID: 11120399-001AMS	SampType: MS	TestCode: PCB_OIL	Units: mg/Kg	Prep Date: 12/13/2011	Run ID: GC-ECD3_111212A						
Client ID: ZZZZZ	Batch ID: 60311	TestNo: D4059		Analysis Date: 12/13/2011	SeqNo: 2070565						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1260	9.105	0.95	9.524	0	95.6	30	150	0	0		*
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Sample ID: <b>11120399-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>PCB_OIL</b>	Units: <b>mg/Kg</b>	Prep Date: <b>12/13/2011</b>	Run ID: <b>GC-ECD3_111212A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60311</b>	TestNo: <b>D4059</b>		Analysis Date: <b>12/13/2011</b>	SeqNo: <b>2070566</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1260	8.745	0.98	9.804	0	89.2	30	150	9.105	4.03	25	*
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Sample ID: <b>MB-60311-PCB</b>	SampType: <b>MBLK</b>	TestCode: <b>PCB_SOLID</b>	Units: <b>mg/Kg</b>	Prep Date: <b>12/13/2011</b>	Run ID: <b>GC-ECD3_111212A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60311</b>	TestNo: <b>SW8082</b>		Analysis Date: <b>12/13/2011</b>	SeqNo: <b>2070557</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	ND	1.0
Aroclor 1221	ND	1.0
Aroclor 1232	ND	1.0
Aroclor 1242	ND	1.0
Aroclor 1248	ND	1.0
Aroclor 1254	ND	1.0
Aroclor 1260	ND	1.0

Sample ID: <b>LCS-60311PCB</b>	SampType: <b>LCS</b>	TestCode: <b>PCB_SOLID</b>	Units: <b>mg/Kg</b>	Prep Date: <b>12/13/2011</b>	Run ID: <b>GC-ECD3_111212A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60311</b>	TestNo: <b>SW8082</b>		Analysis Date: <b>12/13/2011</b>	SeqNo: <b>2070560</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	14.05	1.0	10	0	141	30	150	0	0
Aroclor 1260	14.34	1.0	10	0	143	30	150	0	0

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

Prep Start Date: **12/15/2011 8:49:46**

 Prep End Date: **12/19/2011 3:20:30**

Prep Factor Units:

mL / Kg

 Prep Batch **60340**

 Prep Code: **3580\_TPH**

 Technician: **FAC**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-60340-TPH			0.005	0	0	5	1000.000	12/15/2011	12/15/2011
LCS-60340-TPH			0.005	0	0	5	1000.000	12/15/2011	12/15/2011
11120163-023B	Soil		0.00511	0	0	5	978.474	12/15/2011	12/15/2011
11120163-030B	Soil		0.00507	0	0	5	986.193	12/15/2011	12/15/2011
11120163-023BMS	Soil		0.00511	0	0	5	978.474	12/15/2011	12/15/2011
11120163-023BMSD	Soil		0.00508	0	0	5	984.252	12/15/2011	12/15/2011
11120436-001A	Oil		0.00123	0	0	10	8130.081	12/15/2011	12/15/2011
11120434-001A	Soil		0.00511	0	0	5	978.474	12/15/2011	12/15/2011
11120434-002A	Soil		0.00508	0	0	5	984.252	12/15/2011	12/15/2011

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.

## ANALYTICAL QC SUMMARY REPORT

**BatchID: 60340**

Sample ID	MB-60340-TPH	SampType: MBLK	TestCode: TPH_S	Units: mg/Kg	Prep Date: 12/15/2011	Run ID: GC-FID-2_111212A					
Client ID: ZZZZZ	Batch ID: 60340	TestNo: SW8015M	Analysis Date: 12/15/2011	SeqNo: 2090824							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (GRO)	13.07	20												J
TPH (DRO)	17.98	20												J
TPH (ERO)	16.56	20												J*

Sample ID	LCS-60340-TPH	SampType:	LCS	TestCode:	TPH_S	Units:	mg/Kg	Prep Date:	12/15/2011	Run ID:	GC-FID-2_111212A		
Client ID:	ZZZZZ	Batch ID:	60340	TestNo:	SW8015M			Analysis Date:	12/15/2011	SeqNo:	2090814		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (GRO)	182.2	20	200	13.07	84.6	30	150	0	0					
TPH (DRO)	238.7	20	200	17.98	110	30	150	0	0					
TPH (ERO)	266.1	20	200	16.56	125	30	150	0	0					*

Sample ID	11120163-023BMS	SampType:	MS	TestCode:	TPH_S	Units:	mg/Kg-dry	Prep Date:	12/15/2011	Run ID:	GC-FID-2_111212A		
Client ID:	ZZZZZ	Batch ID:	60340	TestNo:	SW8015M			Analysis Date:	12/15/2011	SeqNo:	2090804		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (GRO)	212.3	23	228.3	15.52	86.2	30	150	0	0					
TPH (DRO)	275.5	23	228.3	22.33	111	30	150	0	0					
TPH (ERO)	295.9	23	228.3	36.75	113	30	150	0	0					*

Sample ID	11120163-023BMSD	SampType:	MSD	TestCode:	TPH_S	Units:	mg/Kg-dry	Prep Date:	12/15/2011	Run ID:	GC-FID-2_111212A		
Client ID:	ZZZZZ	Batch ID:	60340	TestNo:	SW8015M			Analysis Date:	12/15/2011	SeqNo:	2090805		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (GRO)	211	23	229.7	15.52	85.1	30	150	212.3	0.633	25				
TPH (DRO)	278.6	23	229.7	22.33	112	30	150	275.5	1.13	25				
TPH (ERO)	308	23	229.7	36.75	118	30	150	295.9	4.00	25				*

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

Prep Start Date: **12/15/2011 7:00:00**

 Prep End Date: **12/17/2011 12:34:3**

Prep Factor Units:

 Prep Batch **60362**

 Prep Code: **M\_S\_PREP**

 Technician: **LB**
**mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS3 12/15/11			1	0	0	50	50.000	12/15/2011	12/15/2011
ILCSS3 12/15/11			1	0	0	50	50.000	12/15/2011	12/15/2011
11120297-001A	Soil		1.102	0	0	50	45.372	12/15/2011	12/15/2011
11120297-002A	Soil		1.106	0	0	50	45.208	12/15/2011	12/15/2011
11120297-003A	Soil		1.098	0	0	50	45.537	12/15/2011	12/15/2011
11120297-003AMS	Soil		1.093	0	0	50	45.746	12/15/2011	12/15/2011
11120297-003AMSD	Soil		1.085	0	0	50	46.083	12/15/2011	12/15/2011
11120286-001A	Solid		0.307	0	0	50	162.866	12/15/2011	12/15/2011
11120286-004A	Solid		0.354	0	0	50	141.243	12/15/2011	12/15/2011
11120297-004A	Soil		1.065	0	0	50	46.948	12/15/2011	12/15/2011
11120297-005A	Soil		1.071	0	0	50	46.685	12/15/2011	12/15/2011
11120297-006A	Soil		1.125	0	0	50	44.444	12/15/2011	12/15/2011
11120297-007A	Soil		1.074	0	0	50	46.555	12/15/2011	12/15/2011
11120297-008A	Soil		1.007	0	0	50	49.652	12/15/2011	12/15/2011
11120297-009A	Soil		1.074	0	0	50	46.555	12/15/2011	12/15/2011
11120297-010A	Soil		1.005	0	0	50	49.751	12/15/2011	12/15/2011
11120297-012A	Soil		1.045	0	0	50	47.847	12/15/2011	12/15/2011
11120323-003B	Soil		1.092	0	0	50	45.788	12/15/2011	12/15/2011
11120323-004B	Soil		1.056	0	0	50	47.348	12/15/2011	12/15/2011
11120325-001B	Soil		1.05	0	0	50	47.619	12/15/2011	12/15/2011
11120325-003B	Soil		1.022	0	0	50	48.924	12/15/2011	12/15/2011
11120436-001A	Oil		0.319	0	0	50	156.740	12/15/2011	12/15/2011
11120452-001A	Soil		1.062	0	0	50	47.081	12/15/2011	12/15/2011



**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 60362

Sample ID: <b>IMBS3 12/15/11</b>	SampType: <b>MBLK</b>	TestCode: <b>M_ICPMS_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>12/15/2011</b>	Run ID: <b>ICPMS-2_111216A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60362</b>	TestNo: <b>SW6020</b>		Analysis Date: <b>12/16/2011</b>	SeqNo: <b>2073298</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	0.50									
Barium	ND	0.50									
Cadmium	ND	0.25									
Chromium	0.1075	0.50									J
Lead	ND	0.25									
Selenium	ND	1.0									
Silver	ND	0.50									

Sample ID: <b>ILCSS3 12/15/11</b>	SampType: <b>LCS</b>	TestCode: <b>M_ICPMS_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>12/15/2011</b>	Run ID: <b>ICPMS-2_111216A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60362</b>	TestNo: <b>SW6020</b>		Analysis Date: <b>12/16/2011</b>	SeqNo: <b>2073301</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	24.42	0.50	25	0	97.7	80	120	0	0		
Barium	24.55	0.50	25	0	98.2	80	120	0	0		
Cadmium	23.78	0.25	25	0	95.1	80	120	0	0		
Chromium	25.28	0.50	25	0.1075	101	80	120	0	0		
Lead	23.39	0.25	25	0	93.6	80	120	0	0		
Selenium	23.79	1.0	25	0	95.2	80	120	0	0		
Silver	10.17	0.50	10	0	102	80	120	0	0		

Sample ID: <b>11120297-003AMS</b>	SampType: <b>MS</b>	TestCode: <b>M_ICPMS_S</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>12/15/2011</b>	Run ID: <b>ICPMS_111219A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60362</b>	TestNo: <b>SW6020</b>		Analysis Date: <b>12/19/2011</b>	SeqNo: <b>2073950</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	29.18	1.1	27.43	4.656	89.4	75	125	0	0		
Barium	101.5	1.1	27.43	72.46	106	75	125	0	0		
Cadmium	25.6	0.55	27.43	0	93.4	75	125	0	0		
Chromium	34.53	1.1	27.43	12.24	81.3	75	125	0	0		
Lead	44.89	0.55	27.43	16.01	105	75	125	0	0		
Selenium	23.83	2.2	27.43	0	86.9	75	125	0	0		
Silver	10.89	1.1	10.97	0	99.2	75	125	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 60362

Sample ID: <b>11120297-003AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>M_ICPMS_S</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>12/15/2011</b>		Run ID: <b>ICPMS_111219A</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>60362</b>		TestNo: <b>SW6020</b>		Analysis Date: <b>12/19/2011</b>		SeqNo: <b>2073951</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	31.71	1.1	27.63	4.656	97.9	75	125	29.18	8.33	20	
Barium	111.5	1.1	27.63	72.46	141	75	125	101.5	9.42	20	S
Cadmium	27.2	0.55	27.63	0	98.4	75	125	25.6	6.03	20	
Chromium	39.03	1.1	27.63	12.24	97	75	125	34.53	12.2	20	
Lead	47.46	0.55	27.63	16.01	114	75	125	44.89	5.56	20	
Selenium	25.31	2.2	27.63	0	91.6	75	125	23.83	6.02	20	
Silver	11.39	1.1	11.05	0	103	75	125	10.89	4.54	20	

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Prep Start Date: **12/20/2011 1:24:00**

Prep End Date: **12/20/2011 2:04:00**

Prep Factor Units:

Prep Batch **60420** Prep Code: **M\_HG\_S\_PRE** Technician: **LB**
**mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 12/19/11			0.3	0	0	30	100.000	12/19/2011	12/19/2011
HGLCSS1 12/19/11			0.3	0	0	30	100.000	12/19/2011	12/19/2011
11120405-001B	Soil		0.352	0	0	30	85.227	12/19/2011	12/19/2011
11120405-002B	Soil		0.328	0	0	30	91.463	12/19/2011	12/19/2011
11120405-003B	Soil		0.304	0	0	30	98.684	12/19/2011	12/19/2011
11120405-005B	Soil		0.378	0	0	30	79.365	12/19/2011	12/19/2011
11120405-006B	Soil		0.368	0	0	30	81.522	12/19/2011	12/19/2011
11120405-007B	Soil		0.316	0	0	30	94.937	12/19/2011	12/19/2011
11120405-008B	Soil		0.325	0	0	30	92.308	12/19/2011	12/19/2011
11120405-009B	Soil		0.344	0	0	30	87.209	12/19/2011	12/19/2011
11120405-010B	Soil		0.356	0	0	30	84.270	12/19/2011	12/19/2011
11120405-010BMS	Soil		0.358	0	0	30	83.799	12/19/2011	12/19/2011
11120405-010BMSD	Soil		0.354	0	0	30	84.746	12/19/2011	12/19/2011
11120461-001B	Soil		0.322	0	0	30	93.168	12/19/2011	12/19/2011
11120461-002B	Soil		0.307	0	0	30	97.720	12/19/2011	12/19/2011
11120493-001B	Soil		0.34	0	0	30	88.235	12/19/2011	12/19/2011
11120436-001A	Oil		0.34	0	0	30	88.235	12/19/2011	12/19/2011
11120502-001B	Soil		0.317	0	0	30	94.637	12/20/2011	12/20/2011
11120565-001B	Soil		0.38	0	0	30	78.947	12/20/2011	12/20/2011
11120565-002B	Soil		0.334	0	0	30	89.820	12/20/2011	12/20/2011
11120579-001A	Soil		0.36	0	0	30	83.333	12/20/2011	12/20/2011

**CLIENT:** Weston Solutions, Inc.  
**Work Order:** 11120436  
**Project:** Milwaukee Die Casting Co., 4132 N. Holton St.

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 60420

Sample ID: <b>HGMBS1 12/19/11</b>	SampType: <b>MBLK</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg</b>	Prep Date: <b>12/19/2011</b>	Run ID: <b>CETAC_111220A</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60420</b>	TestNo: <b>SW7471A</b>		Analysis Date: <b>12/20/2011</b>	SeqNo: <b>2074624</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.020

Sample ID: <b>HGLCSS1 12/19/11</b>	SampType: <b>LCS</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg</b>	Prep Date: <b>12/19/2011</b>	Run ID: <b>CETAC_111220A</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60420</b>	TestNo: <b>SW7471A</b>		Analysis Date: <b>12/20/2011</b>	SeqNo: <b>2074625</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.251 0.020 0.25 0 100 80 120 0 0

Sample ID: <b>11120405-010BMS</b>	SampType: <b>MS</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>12/19/2011</b>	Run ID: <b>CETAC_111220A</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60420</b>	TestNo: <b>SW7471A</b>		Analysis Date: <b>12/20/2011</b>	SeqNo: <b>2074627</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.2594 0.021 0.2583 0 100 75 125 0 0

Sample ID: <b>11120405-010BMSD</b>	SampType: <b>MSD</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>12/19/2011</b>	Run ID: <b>CETAC_111220A</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>60420</b>	TestNo: <b>SW7471A</b>		Analysis Date: <b>12/20/2011</b>	SeqNo: <b>2074628</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.2675 0.021 0.2612 0 102 75 125 0.2594 3.10 20

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